

MaxPab®

# FGFR3 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00002261-B01P

Size 500 ug

## Specification

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Description           | Mouse polyclonal antibody raised against a full-length human FGFR3 protein.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Immunogen                     | FGFR3 (AAI66684.1, 1 a.a. ~ 806 a.a) full-length human protein.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Sequence                      | <p>MGAPACALALCVAVAVAGASSESLGTEQRRVVGRAAEVPGPEPGQQEQLVFGSGDAVELSCPP</p> <p>PGGGPMGPTVWVKDGTGLVPSEVLVGPQRLQVLNASHEDSGAYSCRQRLTQRVLCHFVSRVT</p> <p>DAPSSGDDDEGEDEAEDTGVDTGAPYWTRPERMDKKLLAVPAANTVRFRCPAAGNPTPSISWL</p> <p>KNGREFRGEHRIGGIKLRHQWVSLVMESVVPVSDRGNYTCVVENKFGSIRQTYTLDVLESPHRPIL</p> <p>QAGLPANQTAVLGSDVEFHCKVYSDAQPHIQWLKHVEVNGSKVGPDPGTPYVTVLKTAGANTTDK</p> <p>ELEVLSLHNVTTFEDAGEYTCLAGNSIGFSHSAWLVVLPAAEEELVEADEAGSVYAGILSYGVGFLL</p> <p>FILVVAAVTLCRLRSPPKKGLGSPTVHKISRFLKQVSLASNASSNTPLVRIARLSSGEGPTL</p> <p>ANVSELELPADPKWELSRARLTGKPLGEGCFGQVMAEAIGDKDRAAKPVTVAVKMLKDDAT</p> <p>DKDLSDLVSEMEMMKMIGKHKNINLLGACTQGGPLYVLVEYAAKGNLREFLRARRPPGLDYSFD</p> <p>TCKPPEEQLTFKDLVSCAYQVARGMEYLASQKCIHRDLAARNVLVTDENVMKIADFGIARDVHNL</p> <p>DYYKTTNGRLPVKWMPEALFDRVYTHQSDVWSFGVLLWEIFTLGGSPYPGIPVEELFKLLKEG</p> <p>HRMDKPANCTHDLYMIMRECWAAPSQRPTFKQLVEDLDRVLTVTSTDEYLDLSAPFEQYSPGG</p> <p>QDTPSSSSSGDDSVFAHDLPPAPPSSSGSRT</p> |
| Host                          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Reactivity                    | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Interspecies Antigen Sequence | Mouse (93); Rat (93)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Quality Control Testing       | Antibody reactive against mammalian transfected lysate.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Storage Buffer                | In 1x PBS, pH 7.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Storage Instruction           | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

## Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

## Gene Info — FGFR3

Entrez GeneID [2261](#)

GeneBank Accession# [BC166684.1](#)

Protein Accession# [AA166684.1](#)

Gene Name FGFR3

Gene Alias ACH, CD333, CEK2, HSGFR3EX, JTK4

Gene Description fibroblast growth factor receptor 3

Omim ID [100800](#) [109800](#) [134934](#) [146000](#) [149730](#) [162900](#) [187600](#) [602849](#) [603956](#) [610474](#)

Gene Ontology [Hyperlink](#)

**Gene Summary**

This gene encodes a member of the fibroblast growth factor receptor (FGFR) family, with its amino acid sequence being highly conserved between members and among divergent species. FGFR family members differ from one another in their ligand affinities and tissue distribution. A full-length representative protein would consist of an extracellular region, composed of three immunoglobulin-like domains, a single hydrophobic membrane-spanning segment and a cytoplasmic tyrosine kinase domain. The extracellular portion of the protein interacts with fibroblast growth factors, setting in motion a cascade of downstream signals, ultimately influencing mitogenesis and differentiation. This particular family member binds acidic and basic fibroblast growth hormone and plays a role in bone development and maintenance. Mutations in this gene lead to craniosynostosis and multiple types of skeletal dysplasia. Three alternatively spliced transcript variants that encode different protein isoforms have been described. [provided by RefSeq]

**Other Designations** OTTHUMP00000149959|achondroplasia, thanatophoric dwarfism|hydroxyaryl-protein kinase|tyrosine kinase JTK4

## Pathway

- [Bladder cancer](#)
- [Endocytosis](#)
- [MAPK signaling pathway](#)
- [Pathways in cancer](#)

- [Regulation of actin cytoskeleton](#)

## Disease

- [Achondroplasia](#)
- [Alzheimer disease](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Cheilitis](#)
- [Chromosome Aberrations](#)
- [Chromosome Deletion](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Craniosynostoses](#)
- [Diabetes Complications](#)
- [Disease Progression](#)
- [Genetic Diseases](#)
- [Genetic Predisposition to Disease](#)
- [Intracranial Hypertension](#)
- [Kidney Neoplasms](#)
- [Lung Neoplasms](#)
- [Metabolic Syndrome X](#)
- [Musculoskeletal Abnormalities](#)
- [Neoplasm Invasiveness](#)

- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Osteochondrodysplasias](#)
- [Osteoporosis](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Recurrence](#)
- [Skin Neoplasms](#)
- [Sleep Apnea](#)
- [Syndrome](#)
- [Thanatophoric Dysplasia](#)
- [Ureteral Neoplasms](#)
- [Urinary Bladder Neoplasms](#)