

MaxPab®

PIK3C2A purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00005286-B01P

Size 500 ug

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human PIK3C2A protein.
Immunogen	PIK3C2A (ADR83442.1, 1 a.a. ~ 1686 a.a) full-length human protein.
Sequence	MAQISSNSGFKECPSSHPEPTRAKDVDKEEALQMEAEALAKLQKDRQVTDNQRGFELSSSTRK KAQVYNKQDYDLMVFPESDSQKRALDIDVEKLQAELEKLLDDSFETKKTVPVLPVTPILSPSFSA QLYFRPTIQRGQWPPGLPGPSTYALPSYPSYSTYSKQAAFQNGFNPRMPTFPSTEPMLSLPGQSPY FSYPLTPATPFHPQGSLPIYRPVVSTDMAKLFDKIASTSEFLKNGKARTDLEITDSKVSNLQVSPKS EDISKFDWLDLDPLSKPKVDNVEVLDHEEEKNVSSLLAKDPWDAVLLEERSTANCHLERKVNG KLSVATVTRSQSLNIRTTQLAKAQGHISQKDPNGTSSSLPTGSSLLQEVEVQNEEMAAFCRSITKL KTKFPYTNHRTNPGYLLSPVTAQRNICGENASVKVSDIEGFQLPVTFTCDVSSTVEIIIMQALCWVH DDLNQVDVGSYVLKVCQGEEVLQNNHCLGSHEHIQNCRKWDTEIRLQLLTFSAMCQNLARTAED DETPVDLNKHLVQIEKPCKEAMTRHPVEELLDSYHNQVELALQIENQHRAVDQVIKAVRKICSALD GVETLAITESVKKLKRAVNLPRSKTADVTSLFGGEDTSRSSTRGSLNPENPVQVSINQLTAAAYDLL RLHANSGRSPTDCAQSSKSVKEAWTTTEQLQFTIFAAHGISSNWVSNYEKYYLICSLSHNGKDLFK PIQSKKVGTYNFFYLKWDLEIIFPIQISQLPLESVLHLTLFGILNQSSGSSPDNSKQRKGPEALGKV SLPLDFDKRFLTCGTKLLYLWTSSHTNSVPGTVTKKGYVMERVLQVDFPSPAFDIYTPQVDRSII QQHNLETLENDIKGKLLDILHKDSSLGLSKEDKAFLWEKRYCFKHPNCLPKILASAPNWKWVNL AKTYSLLHQWPALYPLIALELLDSKFADQEVRS LAVTWIEAISDELTDLLPQFVQALKYEMLNSSL VQFLLSRALGNIQIAHNLYWLLKDALHDVQFSTRYEHVLGALLSVGGKRLREELLKQTKLVQLLGG VAEKVRQASGSARQVVLQRSMERVQSFFQKNKCRLPLKPSLVAKELNIKSCSFFSSNAVPLKVT MVNADPMGEEINVMFKVGEDLRQDMLALQMIKIMDKMWLKEGLDLMVIFKCLSTGRDRGMVELV PASDTRLKIQVEYGVGTGSFKDKPLAEWLRKYNPSEEEYEKASENFYSCAGCCVATYVLGICDRHN DNIMLRSTGHMFHIDFGKFLGHAQMFGSFKRDRAPFVLTSDMAYVINGGEKPTIRFQLFVDLCCQA YNLIRKQTNLFLNLLSLMIPSGLPELTSIQDLKYVRDALQPQTDAEATIFFTRLIESSLGSIATKFNFFI HNLAQLRFSGLPSNDEPILSFSPKTYSFQRQDGRIKEVSVFTYHKKYNPDKHYVVRILREGQIEPSF VFRTFDEFQELHNKLSIIFPLWKLPGFNRMVLGRTHIKDVA AKRKIELNSYLQSLMNASTDVAEC DLVCTFFHPLL RDEKAEGARSADAGSFSPTPGQIGGAVKLSISYRNGTLFIMVMHIKDLVTEGDAD PNPYVKTYLLPDNHKTSKRKTKISRKTRNPTFNEMLVYSGYSKETLRQRELQSLVLSAESLRENFF LGGVTLPLKDFNLSKETVKWYQLTAATYL
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (90); Rat (90)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.

Storage Buffer	In 1x PBS, pH 7.4
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Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
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Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

Gene Info — PIK3C2A

Entrez GeneID	5286
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GeneBank Accession#	HQ258691.1
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Protein Accession#	ADR83442.1
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Gene Name	PIK3C2A
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Gene Alias	CPK, DKFZp686L193, MGC142218, PI3-K-C2(ALPHA), PI3-K-C2A
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Gene Description	phosphoinositide-3-kinase, class 2, alpha polypeptide
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Omim ID	603601
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Gene Ontology	Hyperlink
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Gene Summary	The protein encoded by this gene belongs to the phosphoinositide 3-kinase (PI3K) family. PI3-kinases play roles in signaling pathways involved in cell proliferation, oncogenic transformation, cell survival, cell migration, and intracellular protein trafficking. This protein contains a lipid kinase catalytic domain as well as a C-terminal C2 domain, a characteristic of class II PI3-kinases. C2 domains act as calcium-dependent phospholipid binding motifs that mediate translocation of proteins to membranes, and may also mediate protein-protein interactions. The PI3-kinase activity of this protein is not sensitive to nanomolar levels of the inhibitor wortmanin. This protein was shown to be able to be activated by insulin and may be involved in integrin-dependent signaling. [provided by RefSeq]
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Other Designations	C2-containing phosphatidylinositol kinase PI3K-C2alpha
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Pathway

- [Inositol phosphate metabolism](#)
- [Metabolic pathways](#)
- [Phosphatidylinositol signaling system](#)

Disease

- [Adenocarcinoma](#)
- [Carcinoma](#)
- [Endometrial Neoplasms](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Gingival Neoplasms](#)
- [Mandibular Neoplasms](#)
- [Mouth Neoplasms](#)
- [Prostatic Neoplasms](#)
- [Tobacco Use Disorder](#)
- [Tongue Neoplasms](#)