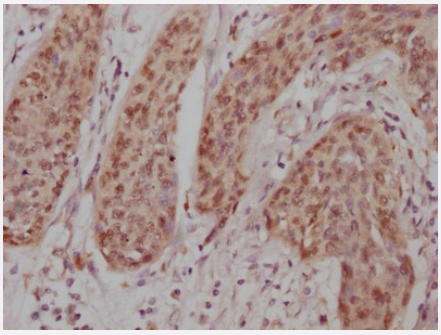
RecomAb™ Sm Size

# JUN recombinant monoclonal antibody, clone 10D4

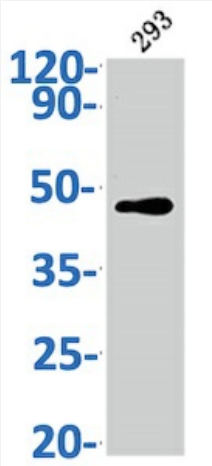
Catalog # RAB08045 Size 50 uL

## Applications



### Immunohistochemistry

Immunohistochemistry image of JUN recombinant monoclonal antibody, clone 10D4 diluted at 1:100 and staining in paraffin-embedded human cervical cancer performed on a Leica Bond™ system.




### Western Blot

Western Blot analysis of
Lane 1: 293 whole cell lysate.

## Specification

| | |
|---|---|
| **Product Description** | Rabbit recombinant monoclonal antibody raised against human JUN. |
| **Antibody Species** | Rabbit |
| **Immunogen** | Original antibody is raised against recombinant protein corresponding to full length human JUN. |
| **Reactivity** | Human |

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| | |
|---|---|
| **Form** | Liquid |
| **Preparation Method** | Mammalian cell (HEK293) expression system |
| **Purification** | Affinity-chromatography |
| **Isotype** | IgG |
| **Recommend Usage** | ELISA<br>Immunohistochemistry (1:50-1:200)<br>Western Blot (1:500-1:5000)<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In PBS, pH7.4 (150mM NaCl, 50% glycerol and 0.02% sodium azide) |
| **Storage Instruction** | store at -20 °C or -80 °C.<br>Aliquot to avoid repeated freezing and thawing. |
| **Note** | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only. |

## Applications

- Immunohistochemistry

  Immunohistochemistry image of JUN recombinant monoclonal antibody, clone 10D4 diluted at 1:100 and staining in paraffin-embedded human cervical cancer performed on a Leica Bond™ system.

- Enzyme-linked Immunoabsorbent Assay

- Western Blot

  Western Blot analysis of
  Lane 1: 293 whole cell lysate.

## Gene Info — JUN

| | |
|---|---|
| **Entrez GeneID** | 3725 |
| **Protein Accession#** | P05412 |
| **Gene Name** | JUN |
| **Gene Alias** | AP-1, AP1, c-Jun |
| **Gene Description** | jun oncogene |

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| | |
|---|---|
| **Omim ID** | 165160 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | This gene is the putative transforming gene of avian sarcoma virus 17. It encodes a protein which is highly similar to the viral protein, and which interacts directly with specific target DNA sequences to regulate gene expression. This gene is intronless and is mapped to 1p32-p31, a chromosomal region involved in both translocations and deletions in human malignancies. [provided by RefSeq |
| **Other Designations** | Jun activation domain binding protein\|OTTHUMP00000010036\|activator protein 1\|enhancer-binding protein AP1\|v-jun avian sarcoma virus 17 oncogene homolog\|v-jun sarcoma virus 17 oncogene homolog |

## Pathway

- B cell receptor signaling pathway
- Colorectal cancer
- Epithelial cell signaling in Helicobacter pylori infection
- ErbB signaling pathway
- Focal adhesion
- GnRH signaling pathway
- MAPK signaling pathway
- Neurotrophin signaling pathway
- Pathways in cancer
- Renal cell carcinoma
- T cell receptor signaling pathway
- Toll-like receptor signaling pathway
- Wnt signaling pathway

## Disease

- Arthritis
- Asthma

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- Breast cancer
- Breast Neoplasms
- Bronchiolitis
- Campylobacter Infections
- Cardiovascular Diseases
- Chronic Disease
- Crohn Disease
- Diabetes Mellitus
- Disease Models
- Edema
- Genetic Predisposition to Disease
- Infant
- Kidney Failure
- Ovarian Neoplasms
- Respiratory Syncytial Virus Infections
- Salmonella Infections

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