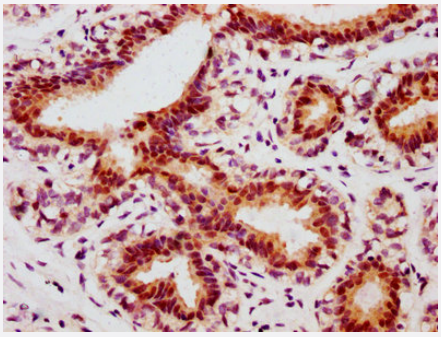
RecomAb™ Sm Size

# JUN (phospho S63) recombinant monoclonal antibody, clone 4A11

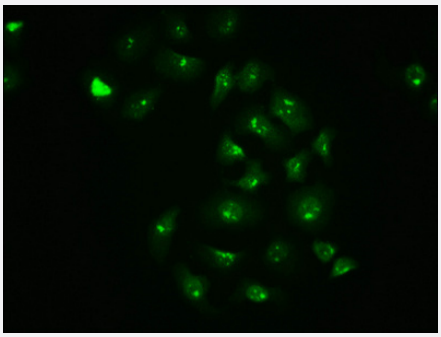
Catalog # RAB08133 Size 50 uL

## Applications



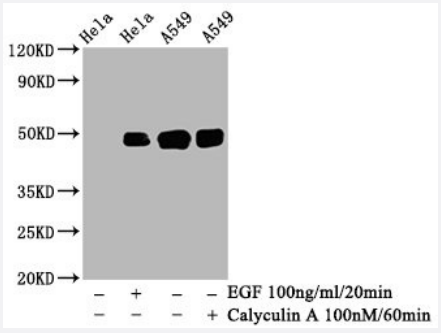
### Immunohistochemistry

Immunohistochemical staining of human breast carcinoma with JUN (phospho S63) recombinant monoclonal antibody (diluated at 1:100).



### Immunofluorescence

Immunofluorescent staining of A549 cells with JUN (phospho S63) recombinant monoclonal antibody (diluated at 1:100). The secondary antibody was Alexa Fluor 488-congugated goat anti-rabbit IgG (green). Counter-stain DAPI was used (blue).




### Western Blot

Western blot analysis of
Lane 1:Hela whole cell lysate (not treated),
Lane 2: Hela whole cell lysate (treated with EGF 100ng/ml/20mins),
Lane 3: A549 whole cell lysate (not treated) and
Lane 4: A549 whole cell lysate (treated with Calyculin A 100nM/60 mins) with JUN (phospho S63) recombinant monoclonal antibody.

## Specification

| | |
|---|---|
| **Product Description** | Rabbit recombinant monoclonal antibody raised against human JUN. |

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| | |
|---|---|
| **Antibody Species** | Rabbit |
| **Immunogen** | Original antibody is raised against a synthetic phosphopeptide corresponding to residues surroundin g S63 of human JUN. |
| **Theoretical MW (kDa)** | Calculated MW: 48 kD |
| **Reactivity** | Human |
| **Form** | Liquid |
| **Preparation Method** | Mammalian cell (HEK293) expression system |
| **Purification** | Affinity chromatography |
| **Isotype** | IgG |
| **Recommend Usage** | ELISA<br>Immunofluorescence (1:20-1:200)<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, 150 mM NaCl, pH 7.4 (50% glycerol, 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

  Immunohistochemical staining of human breast carcinoma with JUN (phospho S63) recombinant monoclonal antibody (diluated at 1:100).

- Immunofluorescence

  Immunofluorescent staining of A549 cells with JUN (phospho S63) recombinant monoclonal antibody (diluated at 1:100). The secondary antibody was Alexa Fluor 488-congugated goat anti-rabbit IgG (green). Counter-stain DAPI was used (blue).

- Enzyme-linked Immunoabsorbent Assay

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- Western Blot

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## Gene Info — JUN

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

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- 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
- 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

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- Respiratory Syncytial Virus Infections
- Salmonella Infections

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