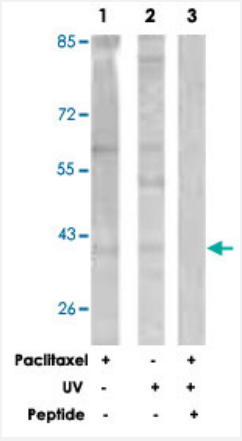
JUN polyclonal antibody

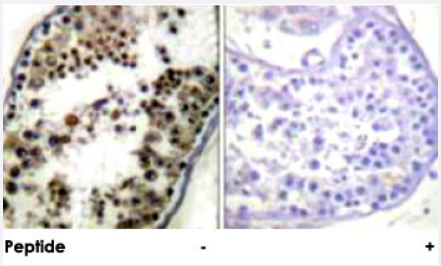
Catalog # PAB18327 Size 100 ug

Applications



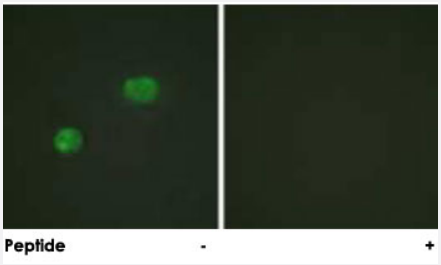
Western Blot (Cell lysate)

Western blot analysis of extracts from Jurkat cells treated with Paclitaxel (1 uM, 60 mins) (Lane 1) and HUVEC cells treated with EGF (200 ng/mL, 15 mins) (Lane 2), using JUN polyclonal antibody (Cat # PAB18327).
Peptide "+" means "peptide blocking".



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human testis tissue using JUN polyclonal antibody (Cat # PAB18327).
Peptide "+" means "peptide blocking".



Immunofluorescence

Immunofluorescence analysis of HeLa cells, using JUN polyclonal antibody (Cat # PAB18327).
Peptide "+" means "peptide blocking".

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of JUN.
Immunogen	A synthetic peptide corresponding to residues surrounding T231 of human JUN.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Specificity	This antibody is specific to JUN.
Form	Liquid
Purification	Affinity purification
Concentration	1 mg/mL
Recommend Usage	Western Blot (1:500-1:1000) Immunohistochemistry (1:50-1:100) Immunofluorescence (1:500-1:1000) ELISA (1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)
Storage Instruction	Store at -20°C. 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

- Western Blot (Cell lysate)

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- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical analysis of paraffin-embedded human testis tissue using JUN polyclonal antibody (Cat # PAB18327).
  Peptide "+" means "peptide blocking".

- Immunofluorescence

  Immunofluorescence analysis of HeLa cells, using JUN polyclonal antibody (Cat # PAB18327).
  Peptide "+" means "peptide blocking".

- Enzyme-linked Immunoabsorbent Assay

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

Publication Reference

- Large-scale characterization of HeLa cell nuclear phosphoproteins.

  Beausoleil SA, Jedrychowski M, Schwartz D, Elias JE, Villen J, Li J, Cohn MA, Cantley LC, Gygi SP.

  PNAS 2004 Aug; 101(33):12130.

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
- 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