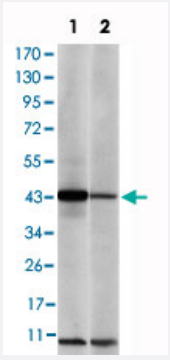
JUN monoclonal antibody, clone 5B1

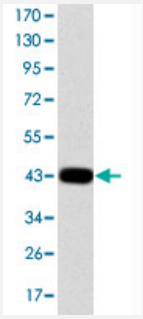
Catalog # MAB10514 Size 100 uL

Applications



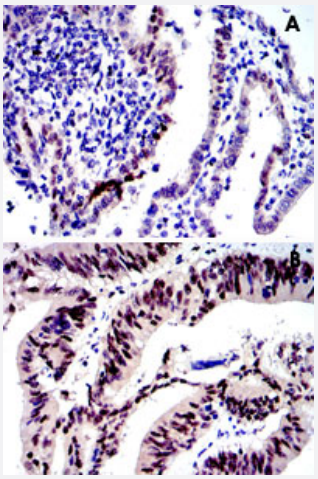
Western Blot (Cell lysate)

Western blot analysis using JUN monoclonal antibody, clone 5B1 (Cat # MAB10514) against NIH/3T3 (1) and COS-7 (2) cell lysate.



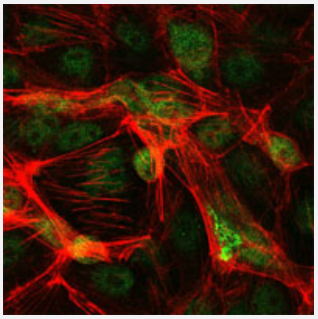
Western Blot (Recombinant protein)

Western blot analysis using JUN monoclonal antibody, clone 5B1 (Cat # MAB10514) against recombinant protein.



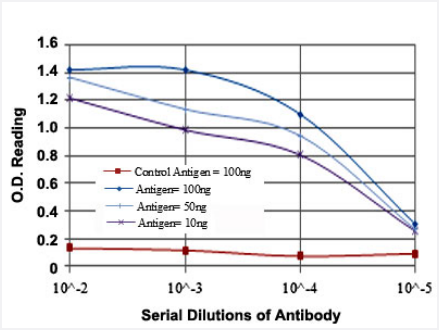
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human intima canncer (A) and human rectum cancer (B) tissues using JUN monoclonal antibody, clone 5B1 (Cat # MAB10514) with DAB staining.



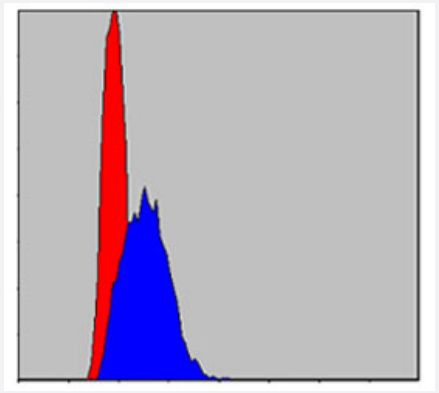
Immunofluorescence

Immunofluorescence analysis of PC-2 cells using JUN monoclonal antibody, clone 5B1 (Cat # MAB10514) (green). Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Enzyme-linked Immunoabsorbent Assay

ELISA detection with JUN monoclonal antibody, clone 5B1 (Cat # MAB10514).



Flow Cytometry

Flow cytometric analysis of HepG2 cells using JUN monoclonal antibody, clone 5B1 (Cat # MAB10514) (blue) and negative control (red).

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant JUN.
Immunogen	Recombinant protein corresponding to human JUN.
Host	Mouse
Theoretical MW (kDa)	43
Reactivity	Human, Monkey, Mouse
Form	Liquid
Isotype	IgG1

Recommend Usage	ELISA (1:10000) Western Blot (1:500-1:2000) Immunohistochemistry (1:200-1:1000) Immunofluorescence (1:200-1:1000) Flow cytometry (1:200-1:400) The optimal working dilution should be determined by the end user.
Storage Buffer	In ascites (0.03% sodium azide)
Storage Instruction	Store at 4°C. For long term storage 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.

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Gene Info — JUN

Entrez GeneID	3725

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
- 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