

## Product datasheet for **UM870005**

### c-Jun (JUN) Mouse Monoclonal Antibody [Clone ID: UMAB49]

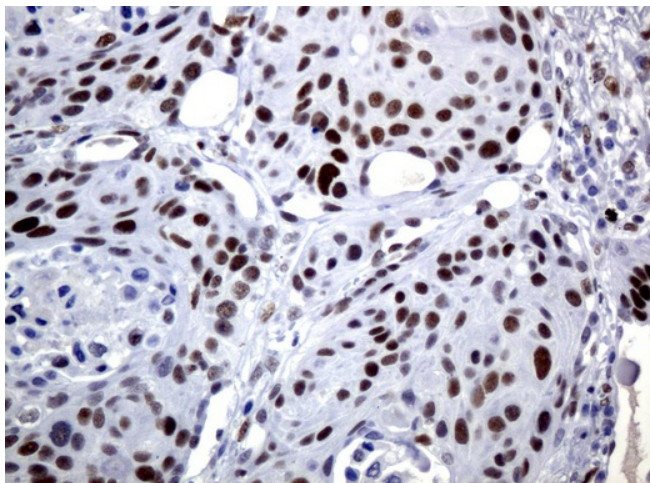
#### Product data:

Product Type:	Primary Antibodies
Clone Name:	UMAB49
Applications:	10k-ChIP, IF, IHC, WB
Recommended Dilution:	IHC 1:50~100, IF 1:100
Reactivity:	Human, Mouse, Rat, Monkey, Dog
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human JUN (NP_002219) produced in E.coli.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.5~1.0 mg/ml (Lot Dependent)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	35.5 kDa
Gene Name:	Jun proto-oncogene, AP-1 transcription factor subunit
Database Link:	<a href="#">NP_002219</a> <a href="#">Entrez Gene 16476 Mouse</a> <a href="#">Entrez Gene 24516 Rat</a> <a href="#">Entrez Gene 609429 Dog</a> <a href="#">Entrez Gene 3725 Human</a> <a href="#">P05412</a>
Background:	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, Jul 2008]

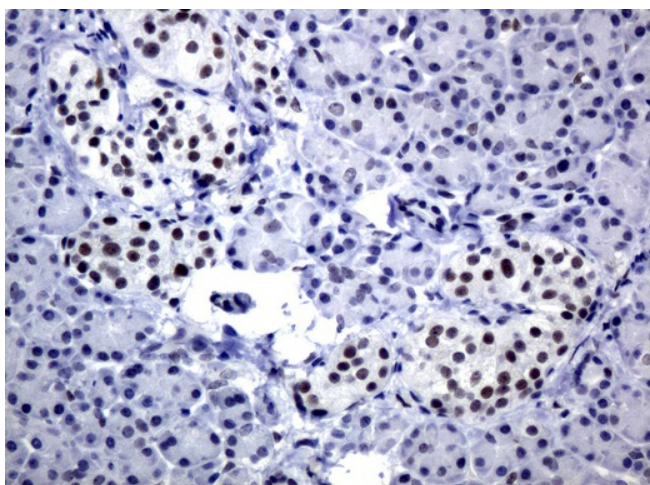


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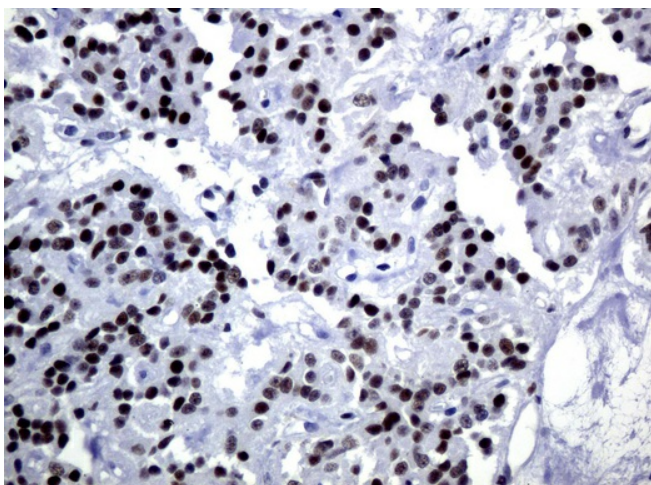
<b>Synonyms:</b>	AP-1; AP1; c-Jun
<b>Protein Families:</b>	Druggable Genome, ES Cell Differentiation/IPS, Transcription Factors
<b>Protein Pathways:</b>	B cell receptor signaling pathway, Colorectal cancer, Epithelial cell signaling in Helicobacter pylori infection, ErbB signaling pathway, Focal adhesion, 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

**Product images:**

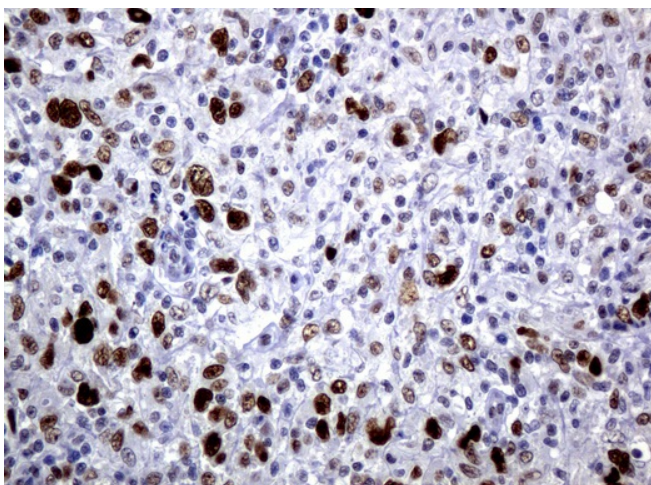
Immunohistochemical staining of paraffin-embedded Carcinoma of Human lung tissue using anti-JUN mouse monoclonal antibody. ([UM800005]; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



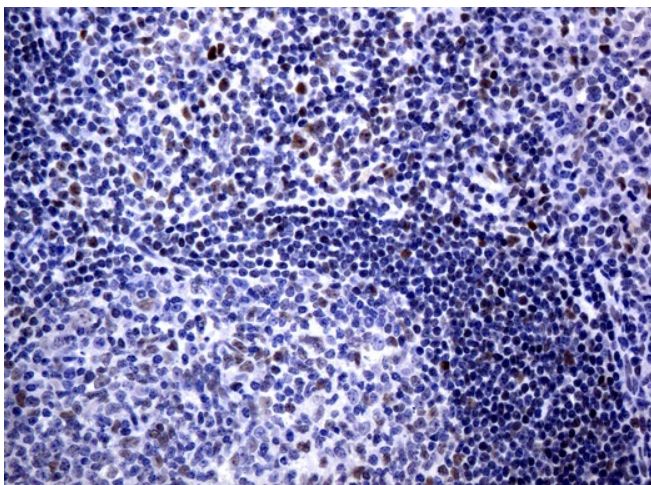
Immunohistochemical staining of paraffin-embedded Human pancreas tissue using anti-JUN mouse monoclonal antibody. ([UM800005]; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



Immunohistochemical staining of paraffin-embedded Carcinoma of Human pancreas tissue using anti-JUN monoclonal antibody. ([UM800005]; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)

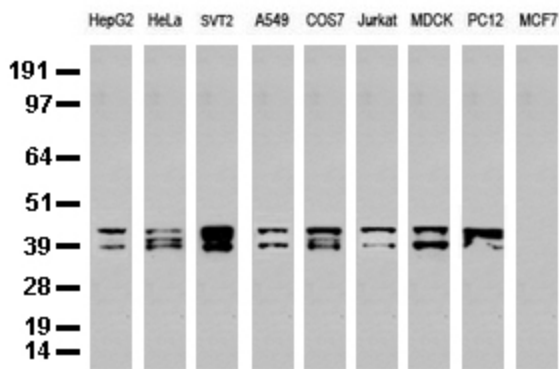


Immunohistochemical staining of paraffin-embedded Human lymphoma tissue using anti-JUN mouse monoclonal antibody. ([UM800005]; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)

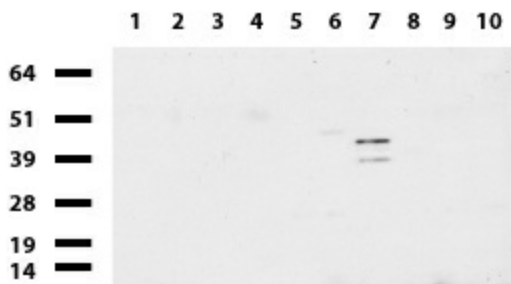


Immunohistochemical staining of paraffin-embedded Human tonsil using anti-JUN mouse monoclonal antibody. ([UM800005]; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)

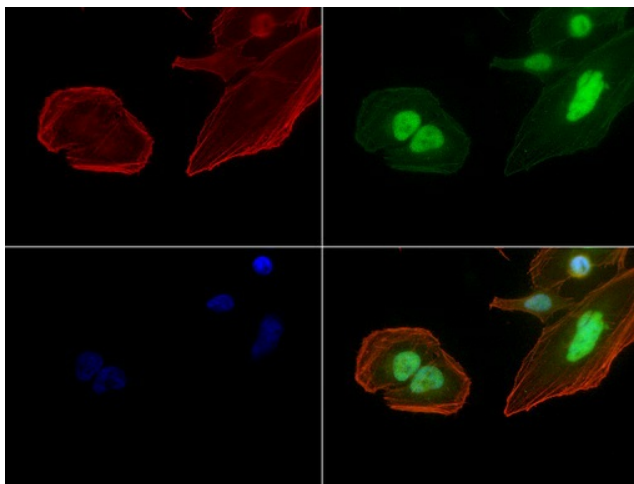




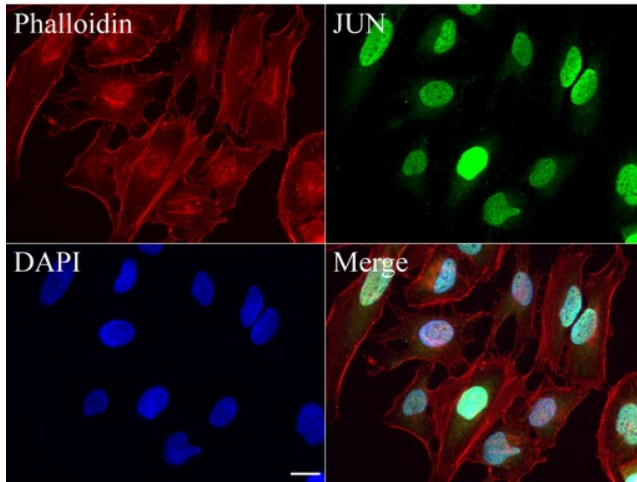
Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-JUN monoclonal antibody (Clone UMAB49).



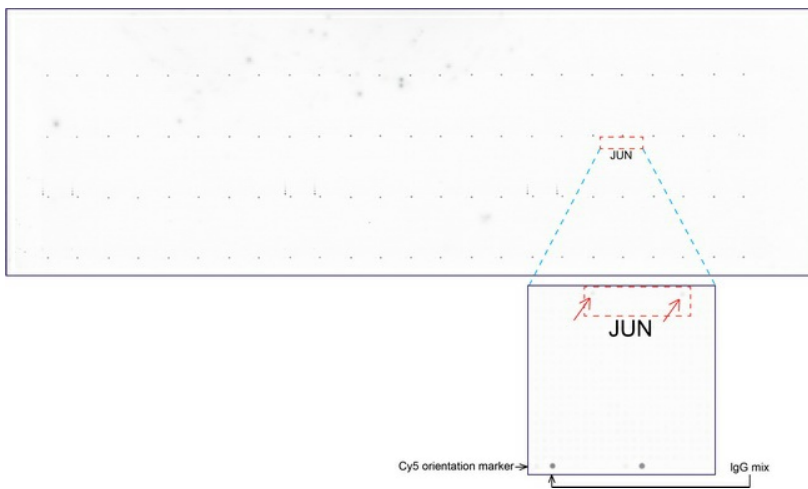
Western blot of human tissue lysates (15ug) from 10 different tissues (1: Testis, 2: Omentum, 3: Uterus, 4: Breast, 5: Brain, 6: Liver, 7: Ovary, 8: Thyroid, 9: Colon, 10: Spleen ). Dilution: 1:500.



Immunofluorescent staining of HeLa cells using JUN mouse monoclonal antibody ([UM800005], green). Actin filaments were labeled with TRITC-phalloidin (red), and nuclear with DAPI (blue). The three-color overlay image is located at the bottom-right corner.



Immunofluorescent staining of HeLa cells using anti-JUN mouse monoclonal antibody ([UM800005], green, 1:50). Actin filaments were labeled with Alexa Fluor® 594 Phalloidin (red), and nuclear with DAPI (blue). Scale bar, 20µm.



OriGene overexpression protein microarray chip was immunostained with UltraMAB anti-JUN mouse monoclonal antibody ([UM800005]). The positive reactive proteins are highlighted with two red arrows in the enlarged subarray. All the positive controls spotted in this subarray are also labeled for clarification.