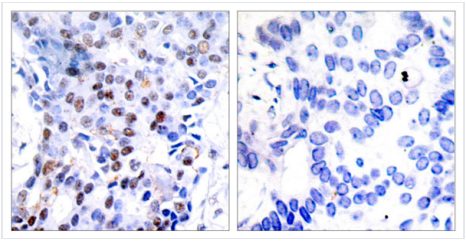
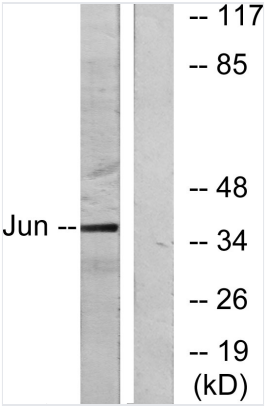
c-JUN Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	c-Jun, Polyclonal Antibody
Full Product Name	c-Jun Antibody
Product Gene Name	anti-c-Jun antibody
Product Synonym Gene Name	JUN
Product Synonym Names	Activator protein 1; AH119; AP-1; AP1; c-Jun; Jun A; p39; Proto-oncogene c-jun; RJG-9; V-jun avian sarcoma virus 17 oncogene homolog
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	Purified from rabbit antiserum by affinity-chromatography using immunogen.
Concentration	1 mg/ml (lot specific)
Specificity	c-Jun Antibody detects endogenous levels of total c-Jun protein.
Preparation and Storage	Stable at -20 degree C for at least 1 year.
Molecular Weight	35 kDa
OMIM	J04111 Genomic DNA
3D Structure	ModBase 3D Structure for P05412
Target Modification	Unmodified/Total
Immunogen	The antiserum was produced against synthesized peptide derived from human c-Jun.
Immunogen Range	58-107
Applications Tested/Suitable for anti-c-Jun antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), ELISA (EIA)
Application Notes for anti-c-Jun antibody	WB: 1:500~1:1000 IHC: 1:50~1:100 IF: 1:100~1:500 ELISA: 1:20000
Related Product Information for anti-c-Jun antibody	MBS9504184 is an antibody targeting c-Jun. Also known as c-Jun Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-c-Jun antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Immunohistochemistry (IHC) of anti-c-Jun antibody
Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using c-Jun Antibody. The picture on the right is blocked with the synthesized peptide.



Western Blot (WB) of anti-c-Jun antibody
Western blot analysis of lysates from HeLa cells, using c-Jun Antibody. The lane on the right is blocked with the synthesized peptide.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for c-Jun. It may not necessarily be applicable to this product.

NCBI GI #	4758616
NCBI GeneID	3725
NCBI Accession #	NP_002219.1
UniProt Primary Accession #	P05412
UniProt Secondary Accession #	Q6FHM7; Q96G93
UniProt Related Accession #	P05412
GenBank Nucleotide #	NM_002228.3
NCBI Official Full Name	transcription factor AP-1
NCBI Official Synonym Full Names	Jun proto-oncogene, AP-1 transcription factor subunit
NCBI Official Symbol	JUN
NCBI Official Synonym Symbols	AP1; p39; AP-1; c-Jun
UniProt Protein Name	Transcription factor AP-1
UniProt Synonym Protein Names	Activator protein 1; AP1; Proto-oncogene c-Jun; V-jun avian sarcoma virus 17 oncogene homolog; p39
Protein Family	C-Jun-amino-terminal kinase-interacting protein
UniProt Gene Name	JUN
UniProt Synonym Gene Names	AP1
NCBI Protein Information	transcription factor AP-1
NCBI Summary for c-Jun	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]
UniProt Comments for c-Jun	Transcription factor that recognizes and binds to the enhancer heptamer motif 5'-TGA[CG]TCA-3'. Promotes activity of NR5A1 when phosphorylated by HIPK3 leading to increased steroidogenic gene expression upon cAMP signaling pathway stimulation. Involved in activated KRAS-mediated transcriptional activation of USP28 in colorectal cancer (CRC) cells (PubMed:24623306). Binds to the USP28 promoter in colorectal cancer (CRC) cells (PubMed:24623306).

Research Articles on c-Jun	**1.** The positive feedback regulation of OCT4 and c-JUN, resulting in the continuous expression of oncogenes such as c-JUN, seems to play a critical role in the determination of the cell fate decision from induced pluripotent stem cells to cancer stem cells in liver cancer.
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