JUN Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	JUN, Polyclonal Antibody
Full Product Name	JUN, Phosphorylated (T289) (Jun, Transcription factor AP-1, AH119, Activator protein 1, Proto-oncogene c-Jun, V-jun avian sarcoma virus 17 oncogene homolog) (MaxLight 405)
Product Gene Name	anti-JUN antibody
Product Synonym Names	Jun; Transcription factor AP-1; AH119; Activator protein 1; Proto-oncogene c-Jun; V-jun avian sarcoma virus 17 oncogene homolog
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight405.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight405 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	35,676 Da
Chromosome Location	Chromosome: 1; NC_000001.10 (59246463..59249785, complement). Location: 1p32-p31
3D Structure	ModBase 3D Structure for P05627
Immunogen	Phospho-mouse JUN-T289 Antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding T289 of mouse JUN.
Conjugate	MaxLight405
Antigen Modification	Phosphorylated
Note	Preservative Free
Product Categories/Family for anti-JUN antibody	Antibodies; Transcription Factors
Applications Tested/Suitable for anti-JUN antibody	FLISA, Dot Blot (DB)
Application Notes for anti-JUN antibody	FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-JUN antibody	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.
Product References and Citations for anti-JUN antibody	Gonsalves, C., et al. J. Immunol. 185(10):6253-6264(2010). Bozec, A., et al. J. Cell Biol. 190(6):1093-1106(2010). Machida, K., et al. Hepatology 52(2):480-492(2010). Madi, A., et al. BMC Microbiol. 10, 215 (2010): Johnatty, S.E., et al. PLoS Genet. 6 (7), E1001016 (2010).

Other Notes	Small volumes of anti-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.
Searchable Terms for JUN purchase	MBS6311845 is an antibody targeting JUN. Also known as JUN, Phosphorylated (T289) (Jun, Transcription factor AP-1, AH119, Activator protein 1, Proto-oncogene c-Jun, V-jun avian sarcoma virus 17 oncogene homolog) (MaxLight 405). Reactive in Mouse. Host: Rabbit.

ADDITIONAL DETAILS

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

NCBI GI #	4758616
NCBI GeneID	3725
NCBI Accession #	NP_002219.1
UniProt Primary Accession #	P05627
UniProt Secondary Accession #	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
NCBI Official Symbol	JUN
NCBI Official Synonym Symbols	AP1; AP-1; c-Jun
UniProt Protein Name	Transcription factor AP-1
UniProt Synonym Protein Names	AH119; Activator protein 1; AP1; Proto-oncogene c-Jun; V-jun avian sarcoma virus 17 oncogene homolog; Jun A
Protein Family	Transcription factor
UniProt Gene Name	Jun
UniProt Synonym Gene Names	AP1; Jun A
NCBI Protein Information	transcription factor AP-1; p39; jun oncogene; activator protein 1; proto-oncogene c-Jun; enhancer-binding protein AP1; Jun activation domain binding protein; v-jun sarcoma virus 17 oncogene homolog; v-jun avian sarcoma virus 17 oncogene homolog
UniProt Comments for 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. Binds to the USP28 promoter in colorectal cancer (CRC) cells ().
Research Articles on JUN	**1.** Trans-acting factor binding sites and nuclear factors AP-1 and NFkappaB that are involved in the regulation of cell-specific CD44 expression, are reported.
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