10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Phospho-mouse JUN(T289) Antibody

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP3783b

Product Information

Application	DB, E
Primary Accession	P05627
Other Accession	P17325, P56432, P05412, P18870, O77627, NP_002219.1
Reactivity	Mouse
Predicted	Bovine, Chicken, Human, Pig, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB39159
Calculated MW	35944

Additional Information

Gene ID	16476
Other Names	Transcription factor AP-1, AH119, Activator protein 1, AP1, Proto-oncogene c-Jun, V-jun avian sarcoma virus 17 oncogene homolog, Jun A, Jun
Target/Specificity	This mouse JUN Antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding T289 of mouse JUN.
Dilution	DB~~1:500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Phospho-mouse JUN(T289) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	Jun
Function	Transcription factor that recognizes and binds to the AP-1 consensus motif 5'-TGA[GC]TCA-3' (PubMed:14707112). Heterodimerizes with proteins of the FOS family to form an AP-1 transcription factor complex, thereby enhancing

its DNA binding activity to the AP-1 consensus sequence 5'-TGA[GC]TCA-3' and enhancing its transcriptional activity (PubMed:2498083). Together with FOSB, plays a role in activation-induced cell death of T cells by binding to the AP-1 promoter site of FASLG/CD95L, and inducing its transcription in response to activation of the TCR/CD3 signaling pathway (By similarity). Promotes activity of NR5A1 when phosphorylated by HIPK3 leading to increased steroidogenic gene expression upon cAMP signaling pathway stimulation (PubMed:17210646). Involved in activated KRAS- mediated transcriptional activation of USP28 (By similarity). Binds to the USP28 promoter (By similarity).

Cellular Location Nucleus {ECO:0000250|UniProtKB:P05412}.

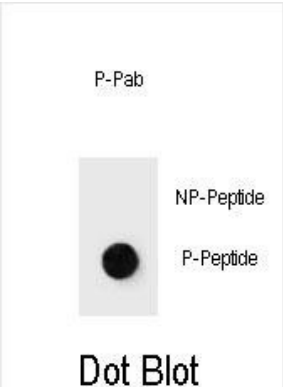
Background

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.

References

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) :

Images



Dot blot analysis of Phospho-mouse JUN-T289 Antibody Phospho-specific Pab (Cat. #AP3783b) on nitrocellulose membrane. 50ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed. Antibody working concentrations are 0.6ug per ml.