

Rabbit c-Jun Polyclonal Antibody | anti-c-Jun antibody

c-Jun (A15) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA63008	Rabbit	Mouse, rat, human	Immunohistochemistry, Immunoprecipitation, Western Blot

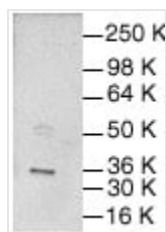
PRODUCT SYNONYMS

c-Jun; Polyclonal Antibody; c-Jun (A15) Antibody; anti-c-Jun antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse, rat, human
Clonality	Polyclonal
Specificity	Mouse, rat and human c-Jun p39
Form/Format	Each vial contains 200 µg/ml of affinity purified rabbit IgG in 1 ml PBS containing 0.1 % sodium azide and 0.2% gelatin.
Sequence Length	308
Applicable Applications for anti-c-Jun antibody	IHC (Immunohistochemistry), IP (Immunoprecipitation), WB (Western Blot)
Origin	c-Jun (A15) is provided as an affinity purified rabbit polyclonal antibody, raised against a peptide mapping to the amino terminus of mouse c-Jun p39.
Immunogen	Synthetic peptide mapping to the amino terminus of mouse c-Jun p39.
Competition Studies	A blocking peptide is also available, (), for use in competition studies. Each vial contains 100 µg of peptide in 0.5 ml PBS with 0.1% sodium azide and 100 µg BSA.
Preparation and Storage	Store this product at 46C, do not freeze. The product is stable for one year from the date of shipment.

IMAGES



WB (Western Blot)

ADDITIONAL INFORMATION

Related Product Information for anti-c-Jun antibody	The products of the proto-oncogenes c-Jun (c-Jun was previously known as the Fos-binding protein p39) and c-Fos are known to form a complex in the nucleus (2, 6). AP-1 (activating protein-1) is a collective term referring to these dimeric transcription factors composed of Jun, Fos or ATF (activating transcription factor) subunits that bind to a common DNA site, the AP-1-binding site (1). There is evidence that AP-1 proteins, mostly those that belong to the Jun group, control cell life and death through their ability to regulate the expression and function of cell cycle regulators such as Cyclin D1, p53, p21 (cip1/waf1), p19 (ARF) and p16 (3). The Fos and Jun proto-oncogenes expression is induced transiently by a great variety of extracellular stimuli associated with mitogenesis, differentiation processes or depolarization of neurons (5). Studies have established a unique role for Fos in determining the differentiation and activity of progenitors of the osteoclast lineage (4). c-Jun is a transcription factor belonging to the activator protein 1 family. A mutated version of c-Jun (v-Jun) transduced by the avian retrovirus ASV17 induces oncogenic transformation in avian cell cultures and sarcomas in young galliform birds. The oncogenicity of c-Jun probably results from transcriptional deregulation of v-Jun-responsive target genes (7).
References	1.) Himes SR, Sester DP, Ravasi T, Cronau SL, Sasmono T, Hume DA. 2006. The JNK are important for development and survival of macrophages. J Immunol. Feb 15;176(4):2219-28.2.) Dann SG, Ted Allison W, Veldhoen K, Johnson T, Hawryshyn CW. 2004. Chromatin immunoprecipitation assay on the rainbow trout opsin proximal promoters illustrates binding of NF-kappaB and c-jun to the SWS1 promoter in the retina. Exp Eye Res. May;78(5):1015-24. 1. Karin M, Liu Zg, Zandi E. AP-1 function and regulation.Curr Opin Cell Biol. 1997 Apr;9(2):240-6.2. Bos TJ, Rauscher FJ 3rd, Curran T, Vogt PK. The carboxy terminus of the viral Jun oncoprotein is required for complex formation with the cellular Fos protein. Oncogene. 1989 Feb;4(2):123-6.3. Shaulian E, Karin M. AP-1 in cell proliferation and survival. Oncogene. 2001 Apr 30;20(19):2390-400.4. Liebermann DA, Gregory B, Hoffman B. AP-1 (Fos/Jun) transcription factors in hematopoietic differentiation and apoptosis. Int J Oncol. 1998 Mar;12(3):685-7005. Curran T. Fos and Jun: oncogenic transcription factors.Tohoku J Exp Med. 1992 Oct;168(2):169-74.6. Rauscher FJ 3rd, Voulalas PJ, Franza BR Jr, Curran T. Fos and Jun bind cooperatively to the AP-1 site: reconstitution in vitro. Genes Dev. 1988 Dec;2(12B):1687-99.7. Fu SI, Bottoli I, Goller M, Vogt PK. Heparin-binding epidermal growth factor-like growth factor, a v-Jun target gene, induces oncogenic transformation.. Proc Natl Acad Sci U S A. 1999 May 11;96(10):5716-21.

NCBI AND UNIPROT INFORMATION

NCBI GI #	41053401
NCBI GeneID	335916
NCBI Accession #	NP_956281.1
NCBI GenBank Nucleotide #	NM_199987.1
UniProt Accession #	Q4ZJE9
NCBI Official Full Name	transcription factor AP-1
NCBI Official Synonym Full Names	jun proto-oncogene
NCBI Official Symbol	jun
NCBI Official Synonym Symbols	c-Jun; fj36h07; zgc:65863; wu:fj36h07
NCBI Protein Information	transcription factor AP-1; v-jun sarcoma virus 17 oncogene homolog
UniProt Protein Name	C-Jun
UniProt Gene Name	jun
UniProt Entry Name	Q4ZJE9_DANRE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/c-jun-antibody-immunohistochemistry-immunoprecipitation-western-blot-elisa/63008>