

Datasheet for ABIN967903

anti-C-JUN antibody (AA 26-175)**3** Images**5** Publications[Go to Product page](#)

Overview

Quantity:	50 µg
Target:	C-JUN (JUN)
Binding Specificity:	AA 26-175
Reactivity:	Human, Mouse, Rat, Chicken, Dog
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunofluorescence (IF)

Product Details

Immunogen:	Mouse c-Jun aa. 26-175
Clone:	3-Jun
Isotype:	IgG2a
Cross-Reactivity:	Human, Chicken, Dog (Canine), Rat (Rattus)
Characteristics:	<ol style="list-style-type: none">1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.2. Please refer to us for technical protocols.3. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.4. Source of all serum proteins is from USDA inspected abattoirs located in the United States.
Purification:	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity

Product Details

chromatography.

Target Details

Target:	C-JUN (JUN)
Alternative Name:	Jun (JUN Products)
Background:	The activator protein transcription factor (AP-1) was identified as a protein that recognizes specific sequences in the cis-control regions of the SV40 virus and the human metallothionein IIA gene. AP-1 is composed of protein products of two different gene families: jun and fos. The AP-1 transcription factor is either a homodimer of Jun proteins or a heterodimer of Jun and Fos proteins. The transcriptional activity of Jun is enhanced by phosphorylation in its activation domain at Ser63 and Ser73. Phosphorylation at both sites is necessary for stimulating the activating function of Jun. Jun is phosphorylated by JNK protein kinases that are activated by the same signals that potentiate Jun activity. This antibody is routinely tested by western blot analysis.
Molecular Weight:	39 kDa
Pathways:	MAPK Signaling , RTK Signaling , WNT Signaling , Fc-epsilon Receptor Signaling Pathway , Activation of Innate immune Response , Myometrial Relaxation and Contraction , Skeletal Muscle Fiber Development , Protein targeting to Nucleus , Toll-Like Receptors Cascades , Autophagy , Signaling of Hepatocyte Growth Factor Receptor , BCR Signaling , S100 Proteins

Application Details

Comment:	Related Products: ABIN968536 , ABIN967389
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	250 µg/mL
Buffer:	Aqueous buffered solution containing BSA, glycerol, and ≤0.09 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage: -20 °C

Storage Comment: Store undiluted at -20° C.

Publications

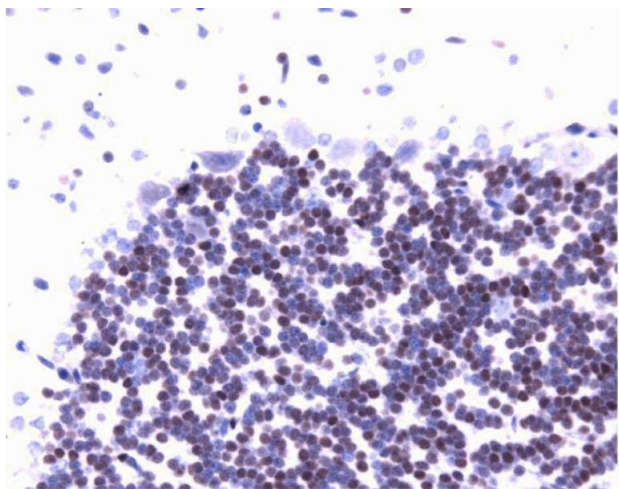
Product cited in: Doray, Ghosh, Griffith, Geuze, Kornfeld: "Cooperation of GGAs and AP-1 in packaging MPRs at the trans-Golgi network." in: **Science (New York, N.Y.)**, Vol. 297, Issue 5587, pp. 1700-3, (2002) ([PubMed](#)).

He, Stepulak, Holmström, Omary, Eriksson: "The intermediate filament protein keratin 8 is a novel cytoplasmic substrate for c-Jun N-terminal kinase." in: **The Journal of biological chemistry**, Vol. 277, Issue 13, pp. 10767-74, (2002) ([PubMed](#)).

Chang, Nakajima, Illenye, Lee, Honjo, Makiyama, Fujiwara, Mizuta, Sawai, Saida, Mitsui, Heintz, Magae: "Caspase-dependent apoptosis by ectopic expression of E2F-4." in: **Oncogene**, Vol. 19, Issue 41, pp. 4713-20, (2000) ([PubMed](#)).

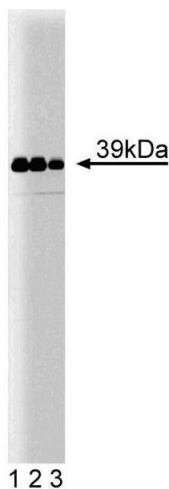
Taupin, Wu, Jeon, Devaney, Wang, Podolsky: "The trefoil gene family are coordinately expressed immediate-early genes: EGF receptor- and MAP kinase-dependent interregulation." in: **The Journal of clinical investigation**, Vol. 103, Issue 9, pp. R31-8, (1999) ([PubMed](#)).

Lamph, Wamsley, Sassone-Corsi, Verma: "Induction of proto-oncogene JUN/AP-1 by serum and TPA." in: **Nature**, Vol. 334, Issue 6183, pp. 629-31, (1988) ([PubMed](#)).



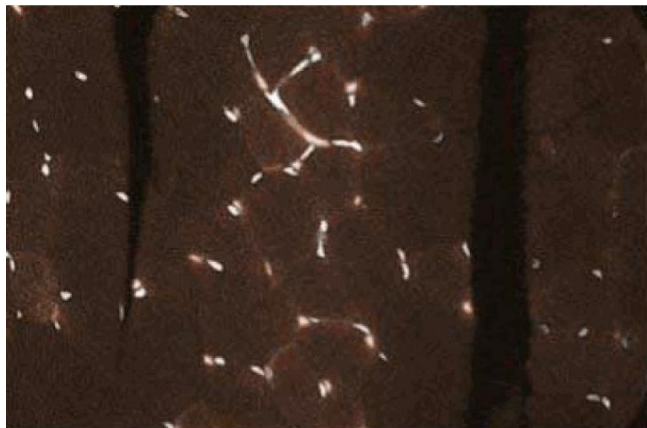
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemical staining of rat brain. Formalin-fixed paraffin-embedded section with citrate buffer pretreatment. 40X.



Western Blotting

Image 2. Western blot analysis of Jun on human endothelial cell lysate. Lane 1: 1:1000, lane 2: 1:2000, lane 3: 1:4000 dilution of anti-Jun antibody.



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Immunohistochemical staining of Rabbit Muscle tissue section. SDS-treated formalin-fixed paraffin-embedded section.