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Datasheet for ABIN2792650

## anti-C-JUN antibody (N-Term)

3 Images

1 Publication

### Overview

Quantity:	100 µL
Target:	C-JUN (JUN)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Pig, Rabbit, Sheep, Dog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This C-JUN antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Chromatin Immunoprecipitation (ChIP)

### Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human JUN
Sequence:	TAKMETTFYD DALNASFLPS ESGPYGYSNP KILKQSMTLN LADPVGSLKP
Cross-Reactivity:	Cow (Bovine), Dog (Canine), Human, Mouse (Murine), Pig (Porcine), Rat (Rattus)
Predicted Reactivity:	Cow: 92%, Dog: 92%, Human: 100%, Mouse: 92%, Pig: 92%, Rabbit: 92%, Rat: 92%, Sheep: 92%
Characteristics:	This is a rabbit polyclonal antibody against JUN. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

### Target Details

Target:	C-JUN (JUN)
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## Target Details

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Alternative Name: [AP-1 / c-Jun \(JUN Products\)](#)

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Background: JUN gene is the putative transforming gene of avian sarcoma virus 17. JUN is highly similar to the viral protein, and interacts directly with specific target DNA sequences to regulate gene expression. JUN gene is intronless and is mapped to 1p32-p31, a chromosomal region involved in both translocations and deletions in human malignancies. 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. 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. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.

Alias Symbols: AP1, c-Jun, AP-1

Protein Interaction Partner: PPP3CA, SP1, HDAC1, GSK3B, FOS, ABL1, MAPK8, RFWD2, CORO7, EP300, STRN4, MAPRE3, CREB3, PRRC2A, MDM2, SMAD2, HSP90AA1, HSPA8, ATF2, APP, APLP2, GOPC, BBS7, ETS1, CREBBP, CASP9, UBC, NCOR1, EPAS1, DDIT3, BATF2, BATF3, BATF, FOSL1, SMARCD3, CEBPG, CEBPE, AT

Protein Size: 331

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Molecular Weight: 36 kDa

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Gene ID: 3725

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NCBI Accession: [NM\\_002228](#), [NP\\_002219](#)

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UniProt: [P05412](#)

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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](#)

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## Application Details

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Application Notes: WB Suggested Anti-JUN Antibody Titration: 0.2-1 µg/mL

Positive Control: Transfected 293T.

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## Application Details

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Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 331 AA

Restrictions: For Research Use only

## Handling

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Format: Liquid

Concentration: Lot specific

Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

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 Advice: Avoid repeated freeze-thaw cycles.

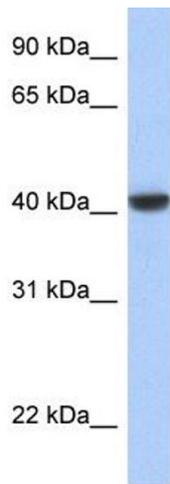
Storage: -20 °C

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

## Publications

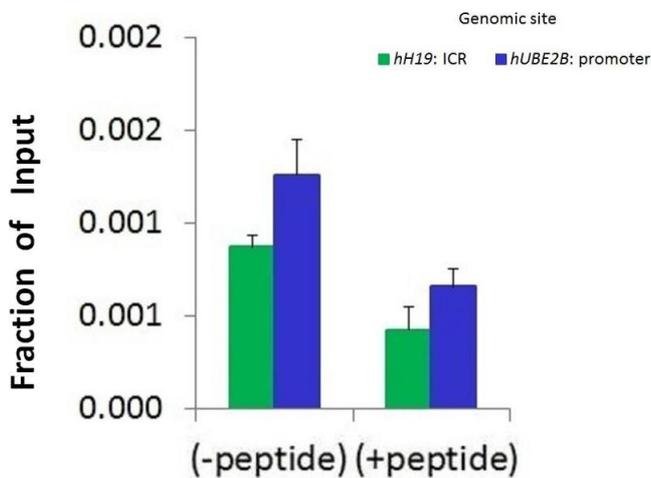
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Product cited in: Russo, Pinsino, Costa, Bonaventura, Matranga, Zito: "The newly characterized PI-jun is specifically expressed in skeletogenic cells of the *Paracentrotus lividus* sea urchin embryo." in: **The FEBS journal**, Vol. 281, Issue 17, pp. 3828-43, (2014) ([PubMed](#)).



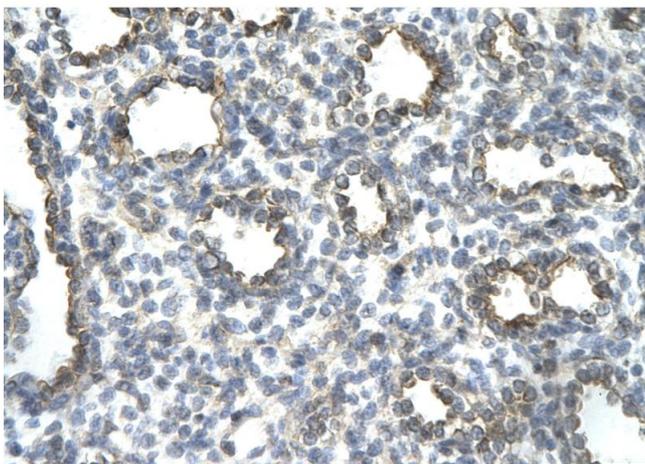
### Western Blotting

**Image 1.** WB Suggested Anti-JUN Antibody Titration: 0.2-1 ug/ml Positive Control: Transfected 293T JUN is strongly supported by BioGPS gene expression data to be expressed in Human HEK293T cells



### Chromatin Immunoprecipitation

**Image 2.** Chromatin Immunoprecipitation (ChIP) Using JUN antibody - N-terminal region and HCT116 Cells



### Immunohistochemistry

**Image 3.** Rabbit Anti-JUN Antibody Paraffin Embedded Tissue: Human alveolar cell Cellular Data: Epithelial cells of renal tubule Antibody Concentration: 4.0-8.0 ug/ml Magnification: 400X