

Datasheet for ABIN6255488
anti-C-JUN antibody (pSer73)[Go to Product page](#)

4 Images

1 Publication

Overview

Quantity:	100 µL
Target:	C-JUN (JUN)
Binding Specificity:	pSer73
Reactivity:	Human, Mouse, Rat, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This C-JUN antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	A synthesized peptide derived from human c-Jun around the phosphorylation site of Serine 73
Isotype:	IgG
Specificity:	Phospho-c-Jun (Ser73) Antibody detects endogenous levels of c-Jun only when phosphorylated at Serine 73
Cross-Reactivity:	Human, Mouse (Murine), Rat (Rattus), Zebrafish (Danio rerio)
Purification:	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.

Target Details

Target:	C-JUN (JUN)
---------	-------------

Target Details

Alternative Name:	c-Jun (JUN Products)
Background:	<p>Description: 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 (PubMed:24623306). Binds to the USP28 promoter in colorectal cancer (CRC) cells (PubMed:24623306).</p> <p>Gene: JUN</p>
Molecular Weight:	37kDa
Gene ID:	3725
UniProt:	P05412 , P17535
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

Application Notes:	WB 1:500-1:2000 IHC 1:50-1:200, IF/ICC 1:100-1:500
Restrictions:	For Research Use only

Handling

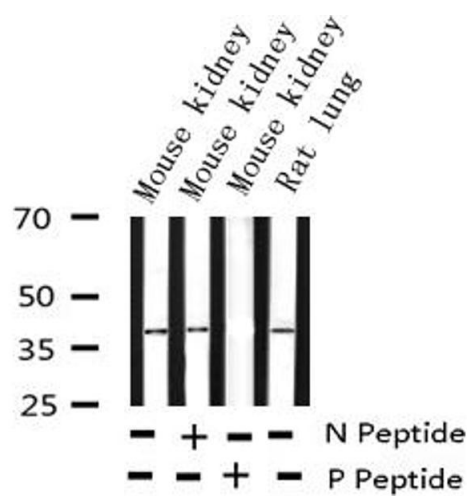
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20 °C.Stable for 12 months from date of receipt

Expiry Date: 12 months

Publications

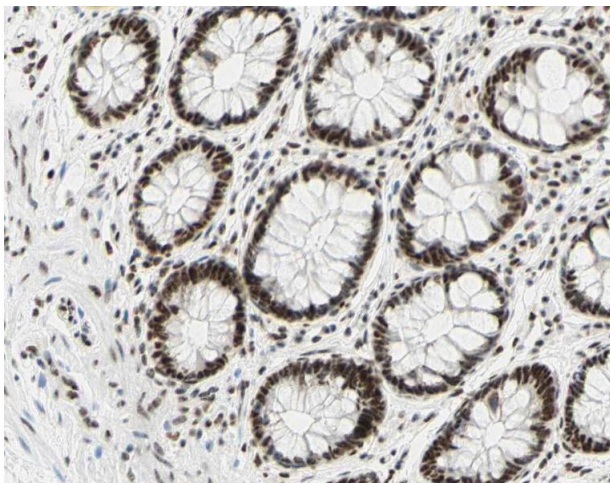
Product cited in: Wu, Wang, Fang, Huang, Sun, Xiao, Yan: "MFAP5 promotes tumor progression and bone metastasis by regulating ERK/MMP signaling pathways in breast cancer." in: **Biochemical and biophysical research communications**, Vol. 498, Issue 3, pp. 495-501, (2018) ([PubMed](#)).

Images



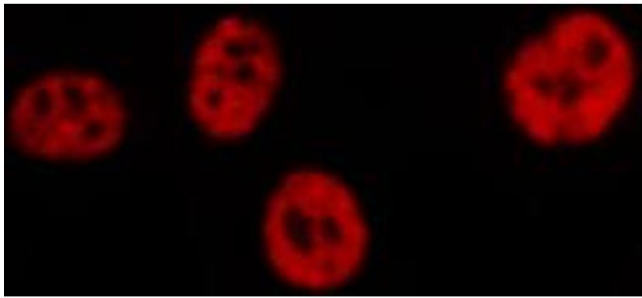
Western Blotting

Image 1. Western blot analysis of Phospho-c-Jun (Ser73) expression in various lysates



Immunohistochemistry

Image 2. ABIN6267309 at 1/200 staining human colon cancer tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22° C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



Immunofluorescence (fixed cells)

Image 3. ABIN6267309 staining HeLa by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN6255488.