

JAK1 Ab

Cat.#: AF5012 Concn.: 1mg/ml Mol.Wt.: 130kDa Size: 100ul,200ul Source: Rabbit Clonality: Polyclonal

Application: WB 1:500-1:2000 IHC 1:50-1:200, IF/ICC 1:100-1:500

Reactivity: Human, Mouse, Rat

Purification: The antiserum was purified by peptide affinity

chromatography using SulfoLink™ Coupling Resin (Thermo

Fisher Scientific).

Specificity: JAK1 Ab detects endogenous levels of total JAK1.

Immunogen: A synthesized peptide derived from human JAK1.

Uniprot: P23458

Description: Janus kinase 1 (JAK1), is a member of a new class of protein-

tyrosine kinases (PTK) characterized by the presence of a second phosphotransferase-related domain immediately N-

terminal to the PTK domain.

Subcellular Location: Endomembrane system. Wholly intracellular, possibly

membrane associated.

Tissue Specificity: Expressed at higher levels in primary colon tumors than in

normal colon tissue. The expression level in metastatic colon tumors is comparable to the expression level in normal colon

tissue.

Similarity: Possesses two phosphotransferase domains. The second one

probably contains the catalytic domain, while the presence of slight differences suggest a different role for domain 1.The FERM domain mediates interaction with

JAKMIP1. Belongs to the protein kinase superfamily. Tyr

protein kinase family. JAK subfamily.

Storage Condition and

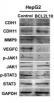
Buffer:

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20

°C.Stable for 12 months from date of receipt.



Affinity Biosciences website:www.affbiotech.com order:order@affbiotech.com



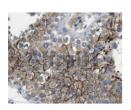
BCL2L10 inhibits growth and metastasis of hepatocellular carcinoma both in vitro and in vivo Y Bai, J Wang, J Han, XL Xie, CG Ji... Molecular ..., 2016 Wiley Online Library



Western blot analysis of JAK1 expression in EGF treated MCF7 whole cell lysates, The lane on the left is treated with the antigen-specific peptide.



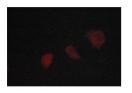
AF5012 at 1/100 staining Rat spleen tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the Ab for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit Ab was used as the secondary.



AF5012 at 1/100 staining human breast carcinoma tissues 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 Ab for 1.5 ho



AF5012 staining MCF7 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 Ab 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 Ab.



AF5012 staining lovo cells by ICC/IF. Cells were fixed with PFA and permeabilized in 0.1% saponin prior to blocking in 10% serum for 45 minutes at 37°C. The primary Ab was diluted 1/400 and incubated with the sample for 1 hour at 37°C. A Alexa Fluor® 594 conjugated goat polyclonal to rabbit IgG (H+L), diluted 1/600 was used as secondry Ab



<code>TMPORTANT:</code> For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1% TBS, 0.1% Tween®20 at 4°C with gentle shaking, overnight.

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