

Anti-JAK1 Mouse mAb

Purified Recombinant Mouse Monoclonal Antibody

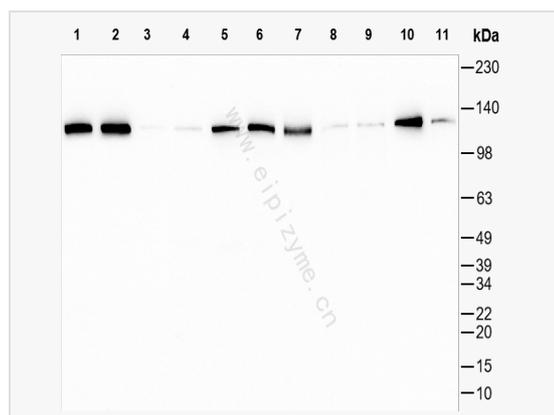
Catalog # M013150

Product Information

Application	WB, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000
Host	Mouse
Clonality	Monoclonal
Clone No.	84K70L15
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant protein of human JAK1
Format	Affinity purified monoclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-JAK1 Mouse mAb [84K70L15] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	AIIDE; JAK1A; JAK1B; JTK3; BAP004; C130039L05Rik; JAK1_HUMAN; JAK1; Janus kinase 1 (JAK-1); 2.7.10.2; JAK1_MOUSE.
Calculated MW	Calculated MW: 133 kDa; Observed MW: 133 kDa
Uniprot ID	P23458
Gene ID	3716
Background	This gene encodes a membrane protein that is a member of a class of protein-tyrosine kinases (PTK) characterized by the presence of a second phosphotransferase-related domain immediately N-terminal to the PTK domain. The encoded kinase phosphorylates STAT proteins (signal transducers and activators of transcription) and plays a key role in interferon-alpha/beta and interferon-gamma signal transduction. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2016]
Cellular Location	Endomembrane system Peripheral membrane protein Wholly intracellular, possibly membrane associated.
Tissue Location	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.



Western Blot - Anti-JAK1 Mouse mAb [84K70L15]

All lanes: M013150 at 1:1,000 dilution

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates

Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates

Lane 4: MCF-7 (human breast adenocarcinoma epithelial cell) whole cell lysates

Lane 5: 293T (Human embryonic kidney cell) whole cell lysates

Lane 6: U87 (Human malignant glioblastoma epithelial cells) whole cell lysates

Lane 7: Raw264.7 (Mouse mononuclear macrophage leukemia cell) whole cell lysates

Lane 8: Mouse brain whole tissue lysates

Lane 9: Mouse liver whole tissue lysates

Lane 10: PC-12 (Rat adrenal pheochromocytoma epithelial cell) whole cell lysates

Lane 11: Rat brain whole tissue lysates

Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Mouse IgG(H+L), HRP Conjugated (Cat. No. LF101) at 1:5,000 dilution

Predicted band size: 133 kDa

Observed band size: 133 kDa

Developed using the ECL technique (Cat. No. SQ201).