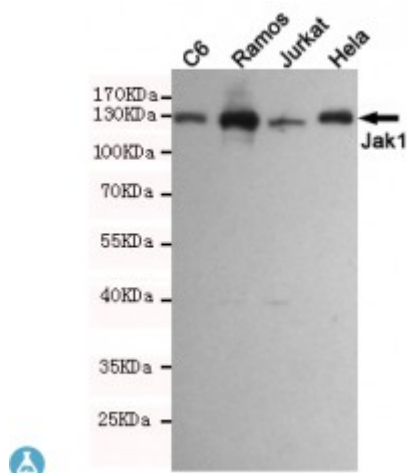


Anti-Jak1 antibody



Description	Mouse monoclonal to Jak1.
Model	STJ99138
Host	Mouse
Reactivity	Human, Rat
Applications	ELISA, WB
Immunogen	Purified recombinant human Jak1 protein fragments expressed in E.coli.
Gene ID	3716
Gene Symbol	JAK1
Dilution range	WB 1:500-2000ELISA 1:10000-20000
Specificity	This antibody detects endogenous levels of Jak1 and does not cross-react with related proteins.
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.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clone ID	8B8-E7-G3
Note	For Research Use Only (RUO).
Protein Name	Tyrosine-protein kinase JAK1 Janus kinase 1 JAK-1
Molecular Weight	130kDa

Clonality	Monoclonal
Conjugation	Unconjugated
Isotype	IgG2a
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:61900MIM:147795
Alternative Names	Tyrosine-protein kinase JAK1 Janus kinase 1 JAK-1
Function	Tyrosine kinase of the non-receptor type, involved in the IFN-alpha/beta/gamma signal pathway . Kinase partner for the interleukin (IL)-2 receptor .
Sequence and Domain Family	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.
Cellular Localization	Endomembrane system. Peripheral membrane protein. Wholly intracellular, possibly membrane associated.
Post-translational Modifications	Autophosphorylated . Phosphorylated on tyrosine residues in response to interferon gamma signaling . Dephosphorylation of Tyr-1034 and Tyr-1035 by PTPN2 negatively regulates cytokine-mediated signaling . Ubiquitinated by RNF125; leading to its degradation by the proteasome.