10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-Jak1 Antibody
Mouse Anti Human Monoclonal Antibody
Catalog # AP53401

Specification

Anti-Jak1 Antibody - Product Information

Application	**IP, WB, ICC**
Primary Accession	P23458
Other Accession	NM_002227
Reactivity	**Human, Rat**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG2a**
Immunogen	**Purified recombinant human Jak1 protein fragments expressed in E.coli.**
Purification	**Ammonium sulfate precipitation**
Calculated MW	**130 KDa**

Anti-Jak1 Antibody - Additional Information

Gene ID 3716

Other Names
JAK 1; JAK 1A; JAK 1B; JAK-1; JAK1; JAK1_HUMAN; JAK1A; JAK1B; Janus kinase 1 (a protein tyrosine kinase); Janus kinase 1; JTK3; Tyrosine protein kinase JAK 1; Tyrosine protein kinase JAK1; Tyrosine-protein kinase JAK1.

Dilution
WB~~1:1000
ICC~~1:200

Format
PBS(pH 7.4) containing with 0.09% (W/V) sodium azide and 50% glycerol.

Storage
Store at -20 °C.Stable for 12 months from date of receipt

Anti-Jak1 Antibody - Protein Information

Name JAK1

Synonyms JAK1A, JAK1B

Function
Tyrosine kinase of the non-receptor type, involved in the IFN-alpha/beta/gamma signal pathway (PubMed:8232552, PubMed:7615558, PubMed:28111307,

PubMed:32750333, PubMed:16239216). Kinase partner for the interleukin (IL)-2 receptor (PubMed:11909529) as well as interleukin (IL)-10 receptor (PubMed:12133952). Kinase partner for the type I interferon receptor IFNAR2 (PubMed:8232552, PubMed:7615558, PubMed:28111307, PubMed:32750333, PubMed:16239216). In response to interferon-binding to IFNAR1-IFNAR2 heterodimer, phosphorylates and activates its binding partner IFNAR2, creating docking sites for STAT proteins (PubMed:7759950). Directly phosphorylates STAT proteins but also activates STAT signaling through the transactivation of other JAK kinases associated with signaling receptors (PubMed:8232552, PubMed:16239216, PubMed:32750333).

Cellular Location
Endomembrane system; Peripheral membrane protein. Note=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

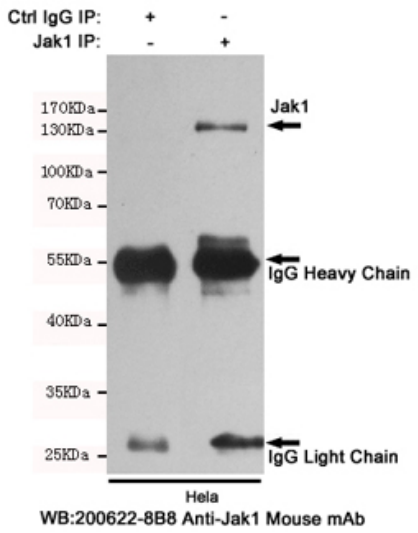
Anti-Jak1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

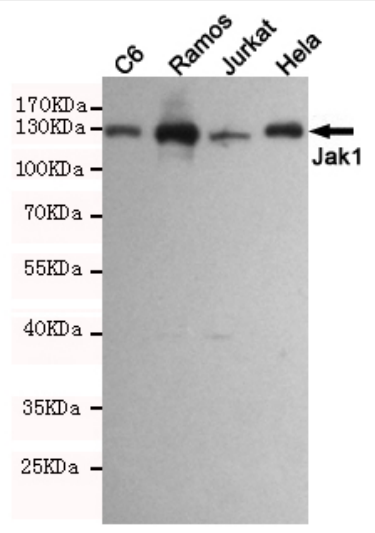
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-Jak1 Antibody - Images

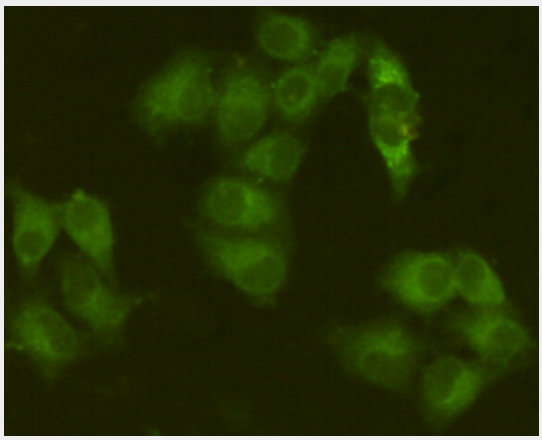
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Immunoprecipitation analysis of Hela cell lysates using Jak1 mouse mAb.



Western blot analysis of extracts from C6,Ramos,Jurkat and Hela cell lysates using Jak1 mouse mAb (1:1000 diluted).Predicted band size:130KDa.Observed band size:130KDa.



Immunocytochemistry staining of HeLa cells fixed with 4% Paraformaldehyde and using anti-Jak1 mouse mAb (dilution 1:200).

Anti-Jak1 Antibody - Background

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Tyrosine kinase of the non-receptor type, involved in the IFN-alpha/beta/gamma signal pathway. Kinase partner for the interleukin (IL)-2 receptor.