JAK1 Antibody

Catalog No: #35530

Description



## Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Product Name	JAK1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by antigen-affinity chromatography.
Applications	WB
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total JAK1 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant fragment corresponding to a region within amino acids 356 and 686 of JAK1.
Target Name	JAK1
Other Names	JAK1A antibody; JAK1B antibody; JTK3 antibody; JAK1 antibody; tyrosine-protein kinase JAK1 antibody;
	Janus kinase 1 antibody
Accession No.	Swiss-Prot#:P23458;NCBI Gene#:3716
Uniprot	P23458
GeneID	3716;
SDS-PAGE MW	133kd
Concentration	1mg/ml
Formulation	Rabbit IgG in 1XPBS, 1%BSA, 20% Glycerol (pH7). 0.01% Thimerosal was added as a preservative.
Storage	Store at -20°C

## Application Details

Western blotting: 1:500-1:3000

## Images



Sample (30 ug of whole cell lysate) A: HCT116 5% SDS PAGE #35530 diluted at 1:500

## Background

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. The second phosphotransferase domain bears all the hallmarks of a protein kinase, although its structure differs significantly from that of the PTK and threonine/serine kinase family members. JAK1 is a large, widely expressed membrane-associated phosphoprotein. JAK1 is involved in the interferon-alpha/beta and -gamma signal transduction pathways. The reciprocal interdependence between JAK1 and TYK2 activities in the interferon-alpha pathway, and between JAK1 and JAK2 in the interferon-gamma pathway, may reflect a requirement for these kinases in the correct assembly of interferon receptor complexes. These kinases couple cytokine ligand binding to tyrosine phosphorylation of various known signaling proteins and of a unique family of transcription factors termed the signal transducers and activators of transcription, or STATs. [provided by RefSeq]

Note: This product is for in vitro research use only