JAK2(Phospho-Tyr1007+Tyr1008) Antibody Cy7 Conjugated

Catalog No: #C04135Cy7

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Description

Product Name	JAK2(Phospho-Tyr1007+Tyr1008) Antibody Cy7 Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	IF(IHC-P)
Species Reactivity	Hu Ms Rt
Immunogen Description	KLH conjugated synthetic phosphopeptide derived from human JAK2 around the phosphorylation site of Tyr1007 1008
Conjugates	Cy7
Target Name	JAK2 Tyr1007+Tyr1008
Other Names	JAK2Tyr1007 1008; Tyrosine protein kinase JAK2; JAK 2; JAK-2; JAK2; JAK2_HUMAN; Janus Activating Kinase 2; Janus Kinase 2; JTK 10; JTK10; OTTHUMP00000043260; Tyrosine-protein kinase JAK2; Tyrosine protein kinase JAK2.
Accession No.	NCBI Gene ID:3717
Concentration	1mg ml
Formulation	Aqueous buffered solution containing 1% BSA, 50% glycerol and 0.09% sodium azide.
Storage	Store at 4C for 12 months.

Application Details

IF:1:50-200

Background

JAK2 (Janus Activating Kinase 2) is a tyrosine kinase of the non-receptor type, that associates with the intracellular domains of cytokine receptors; JAK2 is the predominant JAK kinase activated in response to several growth factors and cytokines such as IL-3, GM-CSF and erythropoietin; it has been found to be constitutively associated with the prolactin receptor and is required for responses to gamma interferon. Ligand binding to a variety of cell surface receptors (e.g., cytokine, growth factor, GPCRs) leads to an association of those receptors with JAK proteins, which are then activated via phosphorylation on tyrosines 1007 and 1008 in the kinase activation loop. Activated JAK proteins phosphorylate and activate STAT (signal transducers and activators of transcription) proteins, which then dimerize and translocate to the nucleus. Once in the nucleus, STAT proteins bind to DNA and modify the transcription of various genes.