



# JAK1 (phospho Tyr1022) rabbit pAb

Cat No.:ES1347

For research use only

## Overview

<b>Product Name</b>	JAK1 (phospho Tyr1022) rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	IF;WB;IP;IHC;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse;Rat
<b>Recommended dilutions</b>	IF: 1:50-200 Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/10000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human JAK1 around the phosphorylation site of Tyr1022. AA range:988-1037
<b>Specificity</b>	Phospho-JAK1 (Y1022) Polyclonal Antibody detects endogenous levels of JAK1 protein only when phosphorylated at Y1022.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Tyrosine-protein kinase JAK1
<b>Gene Name</b>	JAK1
<b>Cellular localization</b>	Endomembrane system; Peripheral membrane protein. Wholly intracellular, possibly membrane associated.
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	132kD
<b>Human Gene ID</b>	3716
<b>Human Swiss-Prot Number</b>	P23458
<b>Alternative Names</b>	JAK1; JAK1A; JAK1B; Tyrosine-protein kinase JAK1; Janus kinase 1; JAK-1
<b>Background</b>	This gene encodes a membrane protein that is a member of a class of protein-tyrosine kinases (PTK)





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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],



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