

## JAK1 Antibody (YA722)

Cat. No.:	HY-P80726
Synonyms:	JAK1 Antibody (YA722) is a non-conjugated and Mouse originated monoclonal antibody about 133 kDa, targeting to JAK1 (8B8). It can be used for WB, ICC/IF, IP assays with tag free, in the background of Human, Rat.
Host:	Mouse
Reactivity:	Human, Rat
Conjugation:	Non-conjugated
SwissProt ID:	P23458
Research Field:	Cell Biology
Molecular Weight:	Predicted band size: 133 kDa

### PROPERTIES

Formulation	Supplied in 1*PBS (pH 7.3), 50% glycerol and 0.5% BSA. Preservative: 0.02% sodium azide.	
Purity	affinity purified	
Storage & Stability	Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles.	
Appearance	Liquid	
Application & Dilution Ratio	Application	Dilution Ratio
	WB	1:500-1:1000
	IF	1:50-1:200
	IP	1:20
Shipping	Shipping with blue ice.	

### DESCRIPTION

Background	<p>JAK1 (8B8): This gene encodes a membrane protein that is a member of a class of protein-tyrosine kinases (PTK) 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, interferon-gamma, and cytokine signal transduction. This gene plays a crucial role in effecting the expression of genes that mediate inflammation, epithelial remodeling, and metastatic cancer progression. This gene is a key component of the interleukin-6 (IL-6)/JAK1/STAT3 immune and inflammation response and is a therapeutic target for alleviating cytokine storms. The kinase activity of this gene is directly inhibited by the suppressor of cytokine signalling 1 (SOCS1) protein. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2020]</p>
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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