

Anti-JAK2 Polyclonal Antibody 3

Product Details

Ig Type:	IgG
Reactivity:	Human (predicted:Mouse,Rat,Dog,Pig,Cow,Rabbit,Sheep,Zebrafish)
Molecular Weight:	Theoretical: 131 kDa. Actual: 125 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	<p>1. Sample: Lane 1: K562 (Human) Cell Lysate at 30 µg Lane 2: Hela (Human) Cell Lysate at 30 µg Primary: Anti-JAK2 (TMAB-07858) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 120 kD Observed band size: 125 kD</p> <p>2. Blank control: HL-60 Primary Antibody (green line): Rabbit Anti-JAK2 antibody (TMAB-07858) Dilution: 1 µg /10⁶ cells; Isotype Control Antibody (orange line): Rabbit IgG. Secondary Antibody: Goat anti-rabbit IgG-AF647 Dilution: 1 µg /test. Protocol The cells were fixed with 4% PFA (10 min at room temperature) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C. The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.</p>
Application:	WB,FCM
Recommended	WB: 1:500-2000; FCM: 1µg/Test

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human JAK2
Antigen Species: Human
Gene ID: 3717
Uniprot ID: O60674

Research Background

This gene product is a protein tyrosine kinase involved in a specific subset of cytokine receptor signaling pathways. It has been found to be constitutively associated with the prolactin receptor and is required for responses to gamma interferon. Mice that do not express an active protein for this gene exhibit embryonic lethality associated with the absence of definitive erythropoiesis. [provided by RefSeq, Jul 2008]

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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