

Nur für Forschungszwecke

# Phospho-JAK3 (Tyr980/981) Polyklonaler Antikörper



Katalog-Nr.: 29101-1-AP

## Allgemeine Informationen

<b>Katalog-Nr.:</b> 29101-1-AP	<b>GenBank-Zugangsnummer:</b> BC028068	<b>Reinigungsmethode:</b> Antigen-Affinitätsreinigung
<b>Größe:</b> 100ul, Konzentration: 400 µg/ml von Nanodrop;	<b>GeneID (NCBI):</b> 3718	<b>Empfohlene Verdünnungen:</b> WB 1:500-1:2000
<b>Wirt:</b> Kaninchen	<b>Vollständiger Name:</b> Janus kinase 3 (a protein tyrosine kinase, Leukocyte)	
<b>Isotyp:</b> IgG	<b>Berechnete Masse:</b> 1124 aa, 125 kDa	
	<b>Beobachtete Masse:</b> 125 kDa	

## Anwendungen

<b>Geprüfte Anwendungen:</b> WB, ELISA	<b>Positivkontrollen:</b> WB: IL-4 treated HepG2 cells,
<b>Getestete Reaktivität:</b> Human	

## Hintergrundinformationen

JAK3 belongs to the Janus kinase family of receptor-associated tyrosine kinases located in cytoplasm adjacent to the plasma membrane. Janus kinase family comprise four tyrosine (Tyr) kinases (JAK1, JAK2, JAK3 and Tyk2). In the cytoplasm, JAKs play a pivotal role in signal transduction via its association with type I and type II cytokine receptors, which include receptors for interleukins (ILs), interferons (IFNs), and hormones such as leptin. Interaction of a cytokine with its membrane-bound receptor complex triggers activation of receptor-bound JAKs, which phosphorylate the receptor on key cytoplasmic Tyr residues. These act as docking sites for SH2 domain-mediated interactions with STAT proteins. Receptor-bound STATs are then phosphorylated on conserved Tyr residues within their C terminal domains prior to dissociation from the receptor and formation of homo- or heterodimers. These translocate to the nucleus, bind target gene promoters, and stimulate target gene transcription. (PMID: 30948191)

## Lagerung

**Lagerungsbedingungen:**  
Bei -20°C lagern.  
**Lagerungspuffer:**  
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.  
Aliquotieren ist nicht notwendig bei -20°C Lagerung

\*\*\* 20ul-Größen enthalten 0.1% BSA

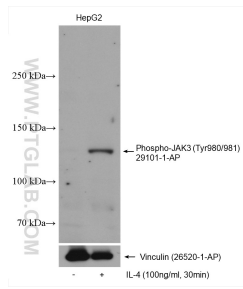
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## Ausgewählte Validierungsdaten



Non-treated and IL-4 treated HepG2 cells were subjected to SDS PAGE followed by western blot with 29101-1-AP (Phospho-JAK3 (Tyr980/981) antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Vinculin antibody as loading control.