Datasheet for ABIN6284966

anti-JAK3 antibody (AA 720-800)

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Overview

Quantity:	50 µL
Target:	JAK3
Binding Specificity:	AA 720-800
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This JAK3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	JAK3 is a protein encoded by the JAK3 gene which is approximately 125 kDa. JAK3 is localised to the endomembrane system. It is involved in RET signalling, common cytokine receptor gamma-chain family signalling pathways, Th17 cell differentiation and the IL-2 pathway. It is a non-receptor tyrosine kinase involved in various processes such as cell growth, development and differentiation. It mediates essential signalling events in both innate and adaptive immunity and plays a crucial role in hematopoiesis during T-cells development. In the cytoplasm it also plays a pivotal role in signal transduction via its association with type I receptors sharing the common subunit gamma such as IL2R, IL4R and IL7R. JAK3 is only expressed in NK cells and NK-like cell lines. Mutations in the JAK3 gene may result in severe combined immunodeficiency and Janus kinase-3 deficiency. STJ93795 was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. This polyclonal antibody detects

Product Details

	endogenous levels of JAK3 protein.
Immunogen:	Synthesized peptide derived from human JAK3 around the non-phosphorylation site of Y785.
Isotype:	IgG
Specificity:	JAK3 Polyclonal Antibody detects endogenous levels of JAK3 protein.
Characteristics:	Rabbit polyclonal to JAK3.
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Target Details

Target:	JAK3
Alternative Name:	JAK3 (JAK3 Products)
Molecular Weight:	125 kDa
Gene ID:	3718
UniProt:	P52333
Pathways:	JAK-STAT Signaling, RTK Signaling, Response to Growth Hormone Stimulus, Regulation of Leukocyte Mediated Immunity, Production of Molecular Mediator of Immune Response, Protein targeting to Nucleus, Activated T Cell Proliferation, Unfolded Protein Response

Application Details

Application Notes:	WB 1:500-1:2000 IHC 1:100-1:300 IF 1:200-1:1000 ELISA 1:20000
Comment:	In NK cells and an NK-like cell line but not in resting T-cells or in other tissues. The S-form is more commonly seen in hematopoietic lines, whereas the B-form is detected in cells both of hematopoietic and epithelial origins.
Restrictions:	For Research Use only

Handling

Format:	Liquid

Handling

Concentration:	1 mg/mL
Buffer:	Liquid in PBS containing 50 % glycerol, 0.5 % BSA and 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C, and avoid repeat freeze-thaw cycles.