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anti-STAT5A antibody (AA 681-692)

3 Images



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Overview

Quantity:	100 μg
Target:	STAT5A
Binding Specificity:	AA 681-692
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This STAT5A antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Flow Cytometry (FACS)

Product Details

Purpose:	STAT5A (aa681-692)
Sequence:	KYYTPVLAKA VD
Isotype:	IgG
Specificity:	This antibody is not expected to cross-react with STAT5B.
Cross-Reactivity:	Cow, Dog, Human, Mouse, Rat
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

Target Details	
Target:	STAT5A
Alternative Name:	STAT5A (STAT5A Products)
Background:	STAT5A, signal transducer and activator of transcription 5A, MGF, STAT5
Gene ID:	6776, 20850, 24918
NCBI Accession:	NP_003143
Pathways:	JAK-STAT Signaling, RTK Signaling, Response to Growth Hormone Stimulus, C21-Steroid Hormone Metabolic Process, Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process, CXCR4-mediated Signaling Events, Activated T Cell Proliferation
Application Details	
Application Notes:	Immunohistochemistry: Paraffin embedded Human Spleen. Recommended concentration: 5 μ g/mL. Western Blot: Approx 100 kDa band observed in lysates of cell line K562 (calculated MW of
	90.6 kDa according to NP_003143.2). Recommended concentration: 0.1-0.3 µg/mL. Primary incubation 1 hour at room temperature Peptide ELISA: antibody detection limit dilution 1:8000.

Comment:

Additional validation: This antibody has been successfully used in the following paper: Sikorski et al. (2018) PMID: 30377371.

Flow Cytometry: Flow cytometric analysis of K562 cells. Recommended concentration:

10ug/ml.

Restrictions:

For Research Use only

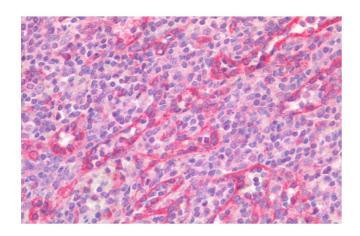
Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Minimize freezing and thawing.

Handling

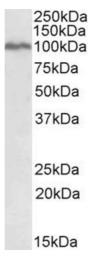
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.

Images



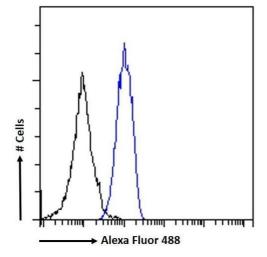
Immunohistochemistry

Image 1. (ABIN5539582) ($5\,\mu g/mL$) staining of paraffin embedded Human Spleen. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



Western Blotting

Image 2. ABIN5539582 (0.1μg/ml) staining of K562 lysate (35μg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



Flow Cytometry

Image 3. (ABIN5539582) Flow cytometric analysis of paraformaldehyde fixed K562 cells (blue line), permeabilized with 0.5 % Triton. Primary incubation 1hr (10 μ g/mL) followed by Alexa Fluor 488 secondary antibody (1 μ g/mL). IgG control: Unimmunized goat IgG (black line) fo