Datasheet for ABIN185692

anti-STAT3 antibody (Internal Region)

3 Images

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Overview

Quantity:	100 µg
Target:	STAT3
Binding Specificity:	Internal Region
Reactivity:	Human, Mouse
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This STAT3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Flow Cytometry (FACS)

Product Details

Purpose:	STAT3
Immunogen:	Peptide with sequence CRPESQEHPEADP, from the internal region of the protein sequence according to NP_644805.1, NP_003141.2, NP_998827.1.
Sequence:	CRPESQEHPE ADP
Isotype:	IgG
Specificity:	This antibody is expected to recognise all three reported isoforms (NP_644805.1, NP_003141.2 and NP_998827.1).
Cross-Reactivity:	Dog, Human, Mouse, Rat
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Product Details

Grade:	Verified

Target Details

Target:	STAT3
Alternative Name:	STAT3 (STAT3 Products)
Background:	STAT3, signal transducer and activator of transcription 3 (acute-phase response factor), APRF, FLJ20882, MGC16063 , DNA-binding protein APRF, acute-phase response factor, signal transducer and activator of transcription 3
Gene ID:	6774, 20848, 25125
NCBI Accession:	NP_644805, NP_003141, NP_998827
Pathways:	JAK-STAT Signaling, RTK Signaling, Interferon-gamma Pathway, Neurotrophin Signaling Pathway, Dopaminergic Neurogenesis, Response to Growth Hormone Stimulus, Carbohydrate Homeostasis, Stem Cell Maintenance, Hepatitis C, Protein targeting to Nucleus, Feeding Behaviour, CXCR4-mediated Signaling Events, Signaling of Hepatocyte Growth Factor Receptor

Application Details

Application Notes:	Immunohistochemistry: Paraffin embedded Human Kidney. Recommended concentration: 5 µg/mL. Western Blot: Approx 85 kDa band observed in lysates of cell line LNCaP, and approx. 90 kDa in Mouse Heart lysates (calculated MW of 83.1 kDa according to Human NP_998827.1 and 88.1 kDa according to Mouse : NP_998824.1). Recommended concentration: 0.5-3 µg/mL Peptide ELISA: antibody detection limit dilution 1:16000.
Comment:	**Flow Cytometry:** Flow cytometric analysis of K562 cells. Recommended concentration: 10ug/ml
Restrictions:	For Research Use only

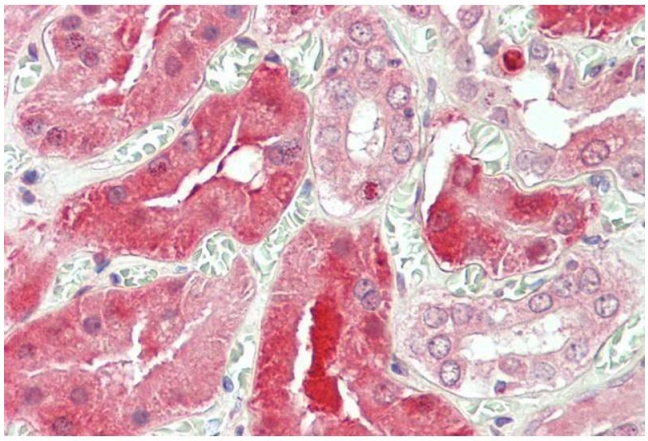
Handling

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.

Handling

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.
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. ABIN185692 (5µg/ml) staining of paraffin embedded Human Kidney. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

Western Blotting

Image 2. ABIN185692 (1µg/ml) staining of Human Heart lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Images

Image 3. ABIN185692 (1µg/ml) staining of Human Liver lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.