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anti-SHP1 antibody (Internal Region)

2 Images



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Overview

Quantity:	100 μg
Target:	SHP1 (PTPN6)
Binding Specificity:	Internal Region
Reactivity:	Human, Mouse, Rat
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This SHP1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Purpose:	PTPN6 / SHP1 (internal region)
Immunogen:	Peptide with sequence C-KASRTSSKHKEE, from the internal region of the protein sequence according to NP_536858.1, NP_002822.2.
Sequence:	KASRTSSKHK EE
Isotype:	IgG
Specificity:	This antibody is expected to recognise both reported isoforms (NP_536858.1 and NP_002822.2). Please note this antibody was designed using the mouse sequence, which differs by 1 amino acid from the human sequence.
Cross-Reactivity:	Dog, Human, Mouse, Rat
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity

Product Details chromatography using the immunizing peptide. Grade: Verified Target Details SHP1 (PTPN6) Target: Alternative Name: PTPN6 (PTPN6 Products) Background: PTPN6, SHP1, protein tyrosine phosphatase, non-receptor type 6, HCP, HCPH, HPTP1C, PTP-1C, SH-PTP1, SHP-1, SHP-1L, 70 kda SHP-1L protein, hematopoietic cell phosphatase, hematopoietic cell protein-tyrosine phosphatase, protein-tyrosine phosphatase 1C Gene ID: 5777, 15170, 116689 NP_536858, NP_002822 NCBI Accession: Pathways: JAK-STAT Signaling, TCR Signaling, TLR Signaling, Nuclear Receptor Transcription Pathway, Positive Regulation of Peptide Hormone Secretion, Steroid Hormone Mediated Signaling Pathway, Response to Growth Hormone Stimulus, Regulation of Leukocyte Mediated Immunity, CXCR4-mediated Signaling Events, Signaling Events mediated by VEGFR1 and VEGFR2, BCR Signaling **Application Details Application Notes:** Immunohistochemistry: Paraffin embedded Human Thyroid. Recommended concentration: 5 µ g/mL. Western Blot: Approx 70 kDa band observed in Human Liver and Mouse Thymus lysates and approx 70-75 kDa in Rat Thymus lysates (calculated MW of 67.6 kDa according to Human NP_536858.1 and Mouse NP_038573.2, and 69.6 kDa according to Rat NP_446360.1). Recomm Peptide ELISA: antibody detection limit dilution 1:128000. Restrictions: For Research Use only Handling Format: Liquid

albumin.

Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum

Concentration:

Buffer:

0.5 mg/mL

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



Western Blotting

Image 1. ABIN190819 (0.1 μ g/ml) staining of Human Liver lysate (35 μ g protein in RIPA buffer). Detected by chemiluminescence.



Western Blotting

Image 2. ABIN190819 ($0.01\mu g/ml$) staining of Mouse Thymus (A) and (0.1ug/ml) Rat Thymus (B) lysate ($35\mu g$ protein in RIPA buffer). Detected by chemiluminescence.