

Datasheet for ABIN6938267 **anti-SHP1 antibody**



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Overview

Quantity:	100 µg
Target:	SHP1 (PTPN6)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This SHP1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Coating (Coat)

Product Details

Immunogen:	Recombinant human full-length PTPN6 protein
Clone:	CPTC-PTPN6-2
Isotype:	IgG2a kappa
Specificity:	PTPN6, which is also designated as SHP-1, is expressed primarily in hematopoietic cells and characterized by the presence of two SH2 domains N-terminal to the PTP domain. It maps to 12p13, a region commonly involved in leukemia-associated chromosomal abnormalities. SHP-1 plays a role in modulating intracellular signaling for various molecules. In T-cell lymphomas and other malignancies, SHP-1 phosphatase expression is lost, by a thus far undetermined mechanism. Preliminary studies suggest that it may be helpful in differentiating mantle/marginal zone lymphomas (SHP-1+) from follicular lymphomas (SHP-1 negative).
Cross-Reactivity (Details):	Human.
Purification:	1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

Target Details

Target:	SHP1 (PTPN6)
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, PTPN6 / SHP, Protein Tyrosine Phosphatase, non-receptor type 6 Cellular localisation: Cytoplasm. Nucleus. In neurons, translocates into the nucleus after treatment with angiotensin II.
Molecular Weight:	65kDa
Gene ID:	5777, 63489
UniProt:	P29350
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:	Known_Application: ELISA (For coating, purchase antibody without BSA), Western Blot (1-2 μg/mL), Optimal dilution for a specific application should be determined. Positive_Control: A431, Jurkat or K562 cell lysates, Lymph node or spleen.
Restrictions:	For Research Use only

Handling

Concentration:	1.0 mg/mL
Buffer:	Prepared in 10 mM PBS, WITHOUT BSA and Azide.
Preservative:	Azide free
Storage:	-20 °C, -80 °C
Storage Comment:	Antibody without azide store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous.
Expiry Date:	24 months