Datasheet for ABIN879862

anti-SHP1 antibody (pTyr536) (AbBy Fluor® 647)

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Overview

Quantity:	100 µL
Target:	SHP1 (PTPN6)
Binding Specificity:	pTyr536
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SHP1 antibody is conjugated to AbBy Fluor® 647
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from human PTPN6 around the phosphorylation site of Tyr536 [SE(p-Y)GN]
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Predicted Reactivity:	Dog,Horse
Purification:	Purified by Protein A.

Target Details

Target:	SHP1 (PTPN6)

Target Details

Alternative Name:	PTPN6 (PTPN6 Products)
Background:	Synonyms: SHP-1Tyr536, PTPN6phospho Y536, SHP1phospho Y536, 70 kda SHP1L protein, HCP, HCPH, Hematopoietic cell phosphatase, Hematopoietic cell protein tyrosine phosphatase, Hematopoietic cell protein-tyrosine phosphatase, HPTP1C, Protein tyrosine phosphatase 1C, Protein tyrosine phosphatase non receptor type 6, Protein tyrosine phosphatase SHP1, PTP1C, PTPN6, SH PTP 1, SHP1, SHP1L, PTN6_HUMAN. Background: SHP1 is a member of the non receptor protein tyrosine phosphatase subfamily. The PTP family comprises of at least 37 proteins, characterized by a catalytic phosphatase domain of approximately 240 amino acids, and includes both transmembrane and cytosolic enzymes. PTP1B is cytosolic. The PTPs have high substrate specificity for phosphotyrosyl proteins, at the primary sequence level sharing little similarity with the protein serine phosphatases, protein threonine phosphatases, or the acid and alkaline phosphatases. SHP1 is implicated in the control of tyrosine kinase signalling pathways in cellular proliferation, with a potential role in cancer.
Gene ID:	5777
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:	FCM 1:20-100
	IF(IHC-P) 1:50-200
	IF(ICC) 1:50-200

Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and

Handling

	50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months

Publications

Product cited in:	Lopes, Bálint, Valvo, Felce, Hessel, Dustin, Davis: "Membrane nanoclusters of FcγRI segregate from inhibitory SIRPα upon activation of human macrophages." in: **The Journal of cell biology**, Vol. 216, Issue 4, pp. 1123-1141, (2017) (PubMed).