

Datasheet for ABIN745838
anti-PTPN11 antibody (pTyr584)



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2 Images

Overview

Quantity:	100 µL
Target:	PTPN11
Binding Specificity:	pTyr584
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PTPN11 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunocytochemistry (ICC), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from human PTPN11 around the phosphorylation site of Tyr584
Isotype:	IgG
Specificity:	This phosphorylation site is homologous across the listed cross reactive species.
Cross-Reactivity:	Mouse, Rat
Predicted Reactivity:	Human,Horse,Chicken
Purification:	Purified by Protein A.

Target Details

Target:	PTPN11
Alternative Name:	PTPN11 (PTPN11 Products)
Target Type:	Viral Protein
Background:	<p>Synonyms: CFC, NS1, SHP2, BPTP3, PTP2C, PTP-1D, SH-PTP2, SH-PTP3, Tyrosine-protein phosphatase non-receptor type 11, Protein-tyrosine phosphatase 1D, Protein-tyrosine phosphatase 2C, PTP-2C, SHP-2, PTPN11, SHPTP2</p> <p>Background: Acts downstream of various receptor and cytoplasmic protein tyrosine kinases to participate in the signal transduction from the cell surface to the nucleus. Dephosphorylates ROCK2 at Tyr-722 resulting in stimulation of its RhoA binding activity.</p>
Gene ID:	5781
UniProt:	Q06124
Pathways:	JAK-STAT Signaling , RTK Signaling , TCR Signaling , Interferon-gamma Pathway , Fc-epsilon Receptor Signaling Pathway , EGFR Signaling Pathway , Neurotrophin Signaling Pathway , Negative Regulation of Hormone Secretion , Carbohydrate Homeostasis , Toll-Like Receptors Cascades , CXCR4-mediated Signaling Events , Signaling Events mediated by VEGFR1 and VEGFR2 , Signaling of Hepatocyte Growth Factor Receptor , VEGFR1 Specific Signals , BCR Signaling , Warburg Effect

Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200 ICC 1:100-500
Restrictions:	For Research Use only

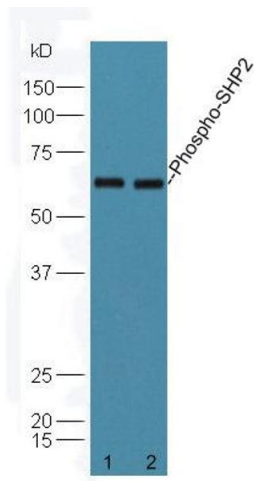
Handling

Format:	Liquid
Concentration:	1 µg/µL

Handling

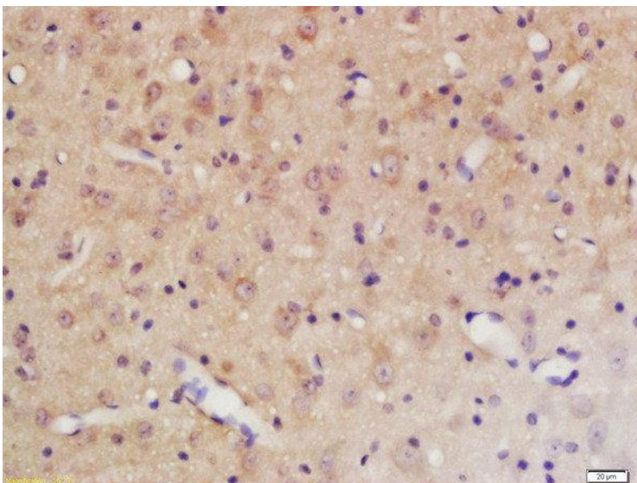
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Images



Western Blotting

Image 1. Mouse brain lysates probed with Rabbit Anti-PTPN11 (Tyr584) Polyclonal Antibody (ABIN745838) at 1:300 overnight in 4 °C. Followed by conjugation to the secondary antibody at 1:5000 90min in 37 °C.



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Formalin-fixed and paraffin embedded rat brain labeled with Rabbit Anti-PTPN11 (Tyr584) Polyclonal Antibody, Unconjugated 1:200 followed by conjugation to the secondary antibody and DAB staining