

Datasheet for ABIN7127735

Recombinant anti-PTPN11 antibody (pTyr542)[Go to Product page](#)**2** Images

Overview

Quantity:	100 µL
Target:	PTPN11
Binding Specificity:	pTyr542
Reactivity:	Human
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This PTPN11 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunoprecipitation (IP)

Product Details

Immunogen:	A synthesized peptide derived from human Phospho-PTPN11 (Y542)
Clone:	2E2
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Affinity-chromatography

Target Details

Target:	PTPN11
Alternative Name:	PTPN11 (PTPN11 Products)

Target Details

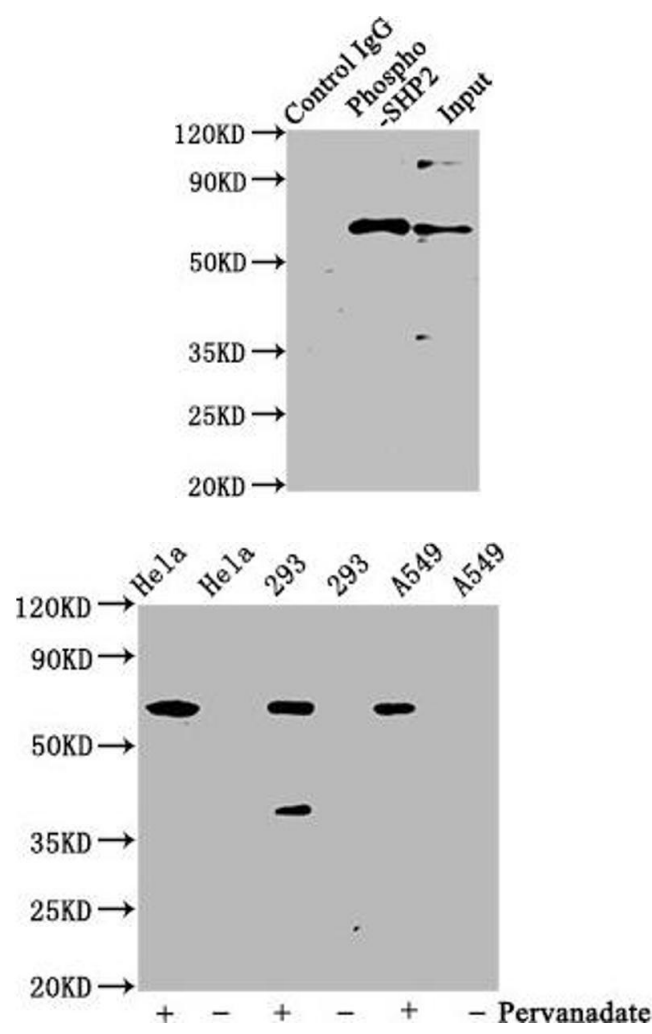
Target Type:	Viral Protein
Background:	Background: Acts downstream of various receptor and cytoplasmic protein tyrosine kinases to participate in the signal transduction from the cell surface to the nucleus. Positively regulates MAPK signal transduction pathway (PubMed:28074573). Dephosphorylates GAB1, ARHGAP35 and EGFR (PubMed:28074573). Dephosphorylates ROCK2 at 'Tyr-722' resulting in stimulation of its RhoA binding activity. Dephosphorylates CDC73 (PubMed:26742426). Aliases: Tyrosine-protein phosphatase non-receptor type 11, Protein-tyrosine phosphatase 1D, PTP-1D, Protein-tyrosine phosphatase 2C, PTP-2C, SH-PTP2, SHP-2, Shp2, SH-PTP3, PTPN11, PTP2C, SHPTP2
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:	Recommended dilution: WB:1:500-1:5000, IP:1:200-1:1000,
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Western Blotting

Image 1. Immunoprecipitating Phospho-PTPN11 in HeLa whole cell lysate treated with Pervanadate Lane 1: Rabbit control IgG(1 µg)instead of ABIN7127735 in HeLa whole cell lysate treated with Pervanadate. For western blotting,a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000) Lane 2: ABIN7127735(3 µg)+ HeLa whole cell lysate treated with Pervanadate(1 mg) Lane 3: HeLa whole cell lysate treated with Pervanadate(20 µg)

Western Blotting

Image 2. Western Blot Positive WB detected in HeLa whole cell lysate 293 whole cell lysate A549 whole cell lysate(treated with Pervanadate or not) All lanes Phospho-PTPN11 antibody at 0.65 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 68 KDa Observed band size: 68 KDa