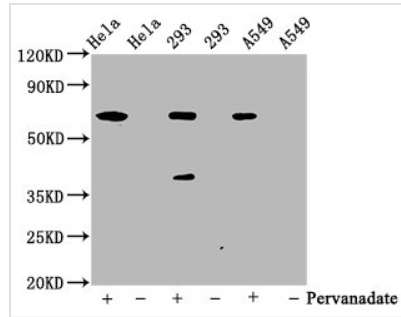




# Phospho-PTPN11 (Y542) Recombinant Monoclonal Antibody

<b>Product Code</b>	CSB-RA019025A542phHU
<b>Abbreviation</b>	Tyrosine-protein phosphatase non-receptor type 11
<b>Storage</b>	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
<b>Uniprot No.</b>	Q06124
<b>Immunogen</b>	A synthesized peptide derived from Human Phospho-PTPN11 (Y542)
<b>Species Reactivity</b>	Human
<b>Tested Applications</b>	ELISA, WB, IP; Recommended dilution: WB:1:500-1:5000, IP:1:200-1:1000
<b>Relevance</b>	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).
<b>Form</b>	Liquid
<b>Conjugate</b>	Non-conjugated
<b>Storage Buffer</b>	Rabbit IgG in 10mM phosphate buffered saline , pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.
<b>Purification Method</b>	Affinity-chromatography
<b>Isotype</b>	Rabbit IgG
<b>Clonality</b>	Monoclonal
<b>Alias</b>	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
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Research Area</b>	Signal Transduction
<b>Target Names</b>	PTPN11
<b>Clone No.</b>	2E2
<b>Image</b>	


**Western Blot**

Positive WB detected in HeLa whole cell lysate, 293 whole cell lysate, A549 whole cell lysate (treated with Pervanadate or not)

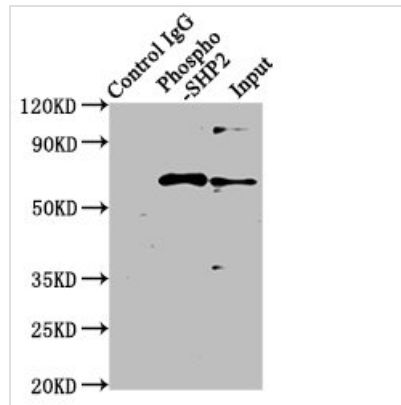
All lanes Phospho-PTPN11 antibody at 0.65 $\mu$ g/ml

Secondary

Goat polyclonal to rabbit IgG at 1/50000 dilution

Predicted band size: 68 KDa

Observed band size: 68 KDa



Immunoprecipitating Phospho-PTPN11 in HeLa whole cell lysate treated with Pervanadate

Lane 1: Rabbit control IgG (1 $\mu$ g) instead of CSB-RA019025A542pHUU 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: CSB-RA019025A542pHUU (3 $\mu$ g) + HeLa whole cell lysate treated with Pervanadate (1mg)

Lane 3: HeLa whole cell lysate treated with Pervanadate (20 $\mu$ g)

**Usage**

For Research Use Only. Not for use in diagnostic or therapeutic procedures.