

Datasheet for ABIN184604
anti-PTPN11 antibody (C-Term)

6 Images

[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	PTPN11
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This PTPN11 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Flow Cytometry (FACS)

Product Details

Purpose:	SHP2 / PTPN11
Immunogen:	Peptide with sequence C-YENVGLMQQKSFR, from the C Terminus of the protein sequence according to NP_002825.3.
Sequence:	YENVGLMQQ KSFR
Isotype:	IgG
Cross-Reactivity:	Cow, Human, Mouse, Pig, Rat
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

Target Details

Target:	PTPN11
Alternative Name:	PTPN11 (PTPN11 Products)
Target Type:	Viral Protein
Background:	PTPN11, SHP2, protein tyrosine phosphatase, non-receptor type 11 (Noonan syndrome 1), CFC, NS1, BPTP3, PTP2C, SHP-2, PTP-1D, SH-PTP2, SH-PTP3, Noonan syndrome 1, protein-tyrosine phosphatase 2C, protein tyrosine phosphatase, non-receptor type 11, MGC14433
Gene ID:	5781, 19247, 25622
NCBI Accession:	NP_002825 , NP_001317366
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:	Western Blot: Approx 70 kDa band observed in Human Muscle lysates (calculated MW of 68.0 kDa according to NP_002825.3). Recommended concentration: 1-3 µg/mL. Primary incubation 1 hour at room temperature. Peptide ELISA: antibody detection limit dilution 1:128000.
Comment:	Immunofluorescence: Strong expression of the protein seen in the nuclei and cytoplasm of HeLa cells. Recommended concentration: 10µg/ml. Flow Cytometry: Flow cytometric analysis of A431 cells. Recommended concentration
Restrictions:	For Research Use only

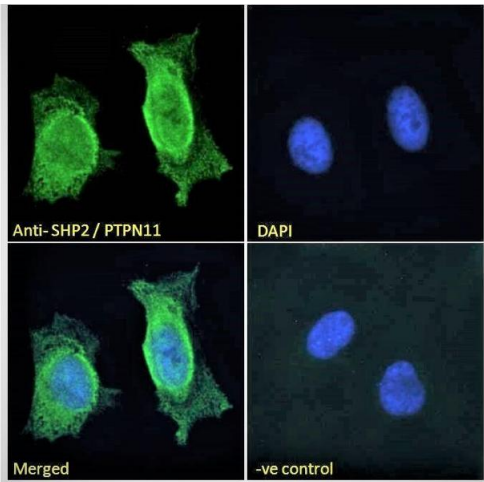
Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
Preservative:	Sodium azide

Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.

Images



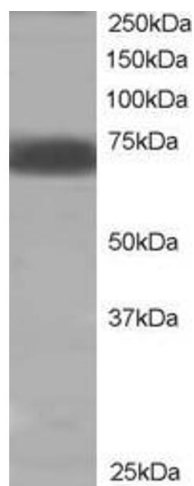
Immunofluorescence

Image 1. ABIN184604 Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing nuclear and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



Western Blotting

Image 2. ABIN184604 staining (2µg/ml) of Human Muscle lysate (RIPA buffer, 35µg total protein per lane). Detected by chemiluminescence.



Western Blotting

Image 3. ABIN184604 staining (2µg/ml) of human muscle lysate (RIPA buffer, 35µg total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN184604.