

Datasheet for ABIN7139030

anti-PTPN11 antibody (pTyr580)[Go to Product page](#)**2** Images

Overview

Quantity:	100 µL
Target:	PTPN11
Binding Specificity:	pTyr580
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PTPN11 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	Peptide sequence around phosphorylation site of tyrosine 580 (R-V-Y(p)-E-N) derived from Human SHP-2.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using

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. Ferjoux G, et al. (2003) Mol Biol Cell. 2003 ; 14(9): 3911-3928. Shi ZQ, et al. (2000) Mol Cell Biol ; 20(5): 1526-1536. Li C, Friedman JM. (1999) Proc Natl Acad Sci U S A ; 96(17): 9677-9682 Manes S, et al. (1999) Mol Cell Biol ; 19(4): 3125-3135. Oh ES, et al. (1999) Mol Cell Biol; 19(4): 3205-3215. Aliases: BPTP3 antibody; CFC antibody; JMML antibody; METCDS antibody; MGC14433 antibody; NS1 antibody; OTTHUMP00000166107 antibody; OTTHUMP00000166108 antibody; Protein tyrosine phosphatase 2 antibody; Protein tyrosine phosphatase 2C antibody; Protein tyrosine phosphatase non receptor type 11 antibody; Protein-tyrosine phosphatase 1D antibody; Protein-tyrosine phosphatase 2C antibody; PTN11_HUMAN antibody; PTP-1D antibody; PTP-2C antibody; PTP1D antibody; PTP2C antibody; PTPN11 antibody; SAP2 antibody; SH-PTP2 antibody; SH-PTP3 antibody; SH2 domain containing protein tyrosine phosphatase 2 antibody; SHP 2 antibody; SHP-2 antibody; Shp2 antibody; SHPTP2 antibody; SHPTP3 antibody; Syp antibody; Tyrosine-protein phosphatase non-receptor type 11 antibody
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

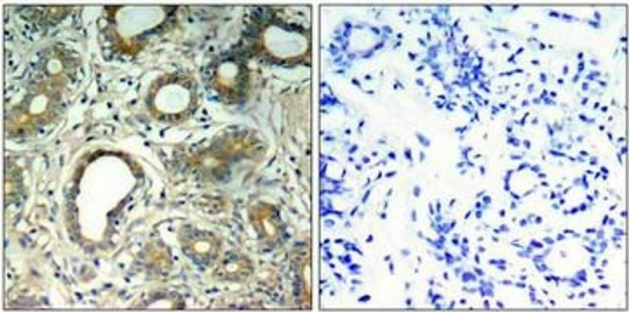
Application Details

Application Notes:	WB:1:500-1:1000, IHC:1:50-1:100,
Restrictions:	For Research Use only

Handling

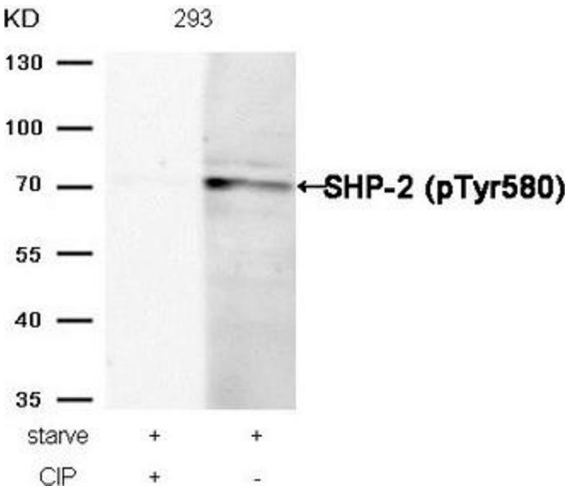
Format:	Liquid
Buffer:	Supplied at 1.0 mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



Immunohistochemistry

Image 1. Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using SHP-2(Phospho-Tyr580) Antibody(left) or the same antibody preincubated with blocking peptide(right).



Western Blotting

Image 2. Western blot analysis of extracts from 293 cells, treated with starve or calf intestinal phosphatase (CIP), using SHP-2 (Phospho-Tyr580) Antibody.