

Datasheet for ABIN2854914  
**anti-PTPN11 antibody (C-Term)**

## 5 Images

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## Overview

Quantity:	100 µL
Target:	PTPN11
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PTPN11 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	Recombinant protein encompassing a sequence within the C-terminus region of human SHP2. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Rabbit Polyclonal antibody to SHP2 (protein tyrosine phosphatase, non-receptor type 11) SHP2 antibody
Purification:	Purified by antigen-affinity chromatography.
Grade:	KO Validated

## Target Details

Target:	PTPN11
Alternative Name:	protein tyrosine phosphatase non-receptor type 11 ( <a href="#">PTPN11 Products</a> )
Target Type:	Viral Protein
Background:	<p>The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. This PTP contains two tandem Src homology-2 domains, which function as phospho-tyrosine binding domains and mediate the interaction of this PTP with its substrates. This PTP is widely expressed in most tissues and plays a regulatory role in various cell signaling events that are important for a diversity of cell functions, such as mitogenic activation, metabolic control, transcription regulation, and cell migration. Mutations in this gene are a cause of Noonan syndrome as well as acute myeloid leukemia.</p> <p>Cellular Localization: Cytoplasm</p>
Molecular Weight:	68 kDa
Gene ID:	5781
UniProt:	<a href="#">Q06124</a>
Pathways:	<a href="#">JAK-STAT Signaling</a> , <a href="#">RTK Signaling</a> , <a href="#">TCR Signaling</a> , <a href="#">Interferon-gamma Pathway</a> , <a href="#">Fc-epsilon Receptor Signaling Pathway</a> , <a href="#">EGFR Signaling Pathway</a> , <a href="#">Neurotrophin Signaling Pathway</a> , <a href="#">Negative Regulation of Hormone Secretion</a> , <a href="#">Carbohydrate Homeostasis</a> , <a href="#">Toll-Like Receptors Cascades</a> , <a href="#">CXCR4-mediated Signaling Events</a> , <a href="#">Signaling Events mediated by VEGFR1 and VEGFR2</a> , <a href="#">Signaling of Hepatocyte Growth Factor Receptor</a> , <a href="#">VEGFR1 Specific Signals</a> , <a href="#">BCR Signaling</a> , <a href="#">Warburg Effect</a>

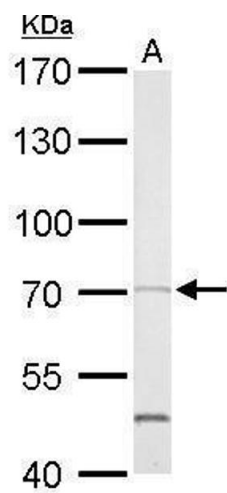
## Application Details

Application Notes:	WB: 1:500-1:3000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: rat brain , Mouse brain Validation: KO/KD
Restrictions:	For Research Use only

Handling

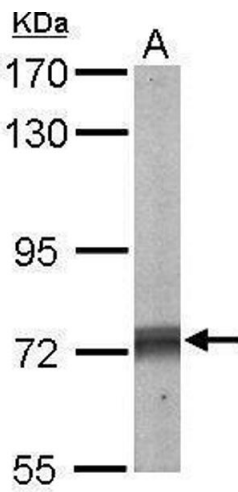
Format:	Liquid
Concentration:	0.63 mg/mL
Buffer:	1XPBS ( pH 7), 20 % Glycerol, 0.025 % ProClin 300
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Images



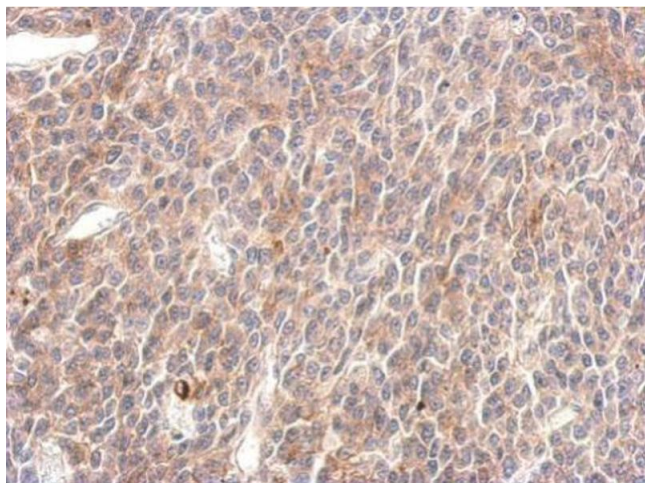
**Western Blotting**

**Image 1.** WB Image SHP2 antibody detects PTPN11 protein by Western blot analysis. A. 50 µg rat brain lysate/extract 7.5 % SDS-PAGE SHP2 antibody , dilution: 1:1000



**Western Blotting**

**Image 2.** WB Image Sample (50 ug of whole cell lysate) A: Mouse brain 7.5% SDS PAGE antibody diluted at 1:500



#### Immunohistochemistry

**Image 3.** IHC-P Image SHP2 antibody detects PTPN11 protein at cytosol on BT483 xenograft by immunohistochemical analysis. Sample: Paraffin-embedded BT483 xenograft. SHP2 antibody , dilution: 1:500.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN2854914.