Datasheet for ABIN3022585

anti-PTPN2 antibody (AA 1-353)

8 Images

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Overview

Quantity:	100 µL
Target:	PTPN2
Binding Specificity:	AA 1-353
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PTPN2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-353 of human PTPN2 (NP_536348.1).
Sequence:	MPTTIEREFE ELDTQRRWQP LYLEIRNESH DYPHRVAKFP ENRNRNRYRD VSPYDHSRVK LQNAENDYIN ASLVDIEEAQ RSYILTQGPL PNTCCHFWLM VWQQKTKAVV MLNRIVEKES VKCAQYWPTD DQEMLFKETG FSVKLLSEDV KSYYTVHLLQ LENINSGETR TISHFHYTTW PDFGVPESPA SFLNFLFKVR ESGSLNPDHG PAVIHCSAGI GRSGTFSLVD TCLVLMEKGD DINIKQVLLN MRKYRMGLIQ TPDQLRFSYM AIIEGAKCIK GDSSIQKRWK ELSKEDLSPA FDHSPNKIMT EKYNGNRIGL EEEKLTGDRC TGLSSKMQDT MEENSERPRL TDT
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

Target:	PTPN2
Alternative Name:	PTPN2 (PTPN2 Products)
Background:	The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. Members of the PTP family share a highly conserved catalytic motif, which is essential for the catalytic activity. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. Epidermal growth factor receptor and the adaptor protein Shc were reported to be substrates of this PTP, which suggested the roles in growth factor mediated cell signaling. Multiple alternatively spliced transcript variants encoding different isoforms have been found. Two highly related but distinctly processed pseudogenes that localize to chromosomes 1 and 13, respectively, have been reported.,PTPN2,PTN2,PTPT,TC-PTP,TCELLPTP,TCPTP,Signal Transduction,Immunology & Inflammation,IL-6 Receptor Signaling Pathway,PTPN2
Molecular Weight:	40 kDa/45 kDa/48 kDa
Gene ID:	5771
UniProt:	P17706
Pathways:	EGFR Signaling Pathway, Carbohydrate Homeostasis, Regulation of Carbohydrate Metabolic Process, Platelet-derived growth Factor Receptor Signaling

Application Details

Application Notes:	WB,1:500 - 1:2000,IF,1:50 - 1:200
Restrictions:	For Research Use only

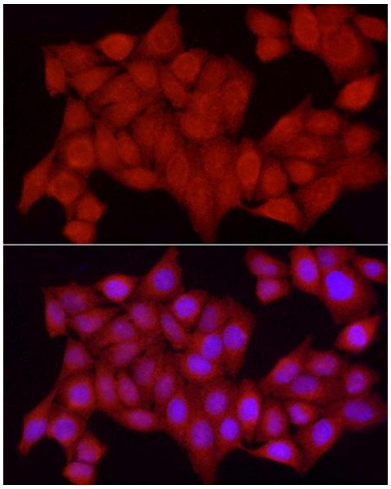
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid freeze / thaw cycles
Storage:	-20 °C

Handling

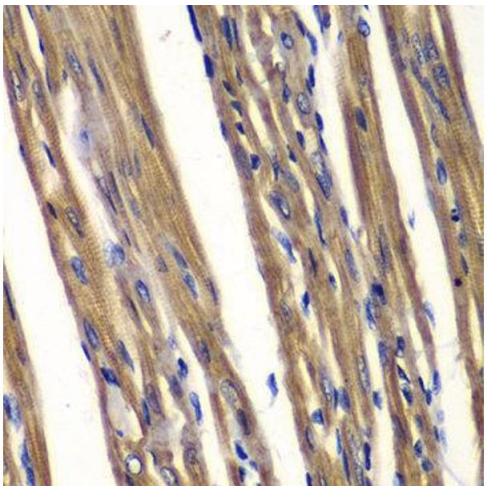
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Images



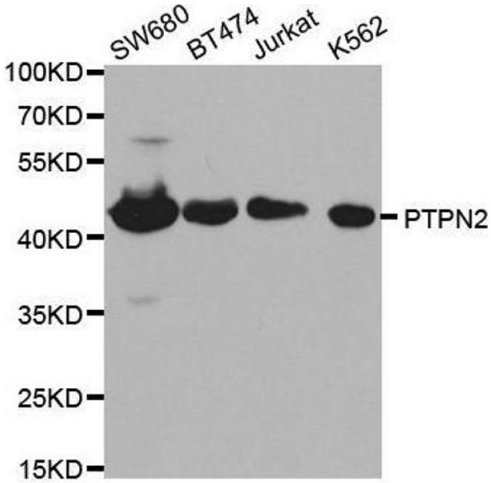
Immunofluorescence

Image 1. Immunofluorescence analysis of HeLa cells using [KO Validated] PTPN2 Rabbit pAb (ABIN3022584, ABIN3022585, ABIN3022586, ABIN1513448 and ABIN6218927) at dilution of 1:250 (40x lens). Blue: DAPI for nuclear staining.



Immunohistochemistry

Image 2.



Western Blotting

Image 3. Western blot analysis of extracts of various cell lines, using PTPN2 antibody.

Please check the product details page for more images. Overall 8 images are available for ABIN3022585.