Rabbit anti-Human PTPN6 Polyclonal Antibody | anti-PTPN6 antibody

PTPN6 Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285050	**Rabbit**	**Human**	**Immunofluorescence, Immunohistochemistry, ELISA, Western Blot**

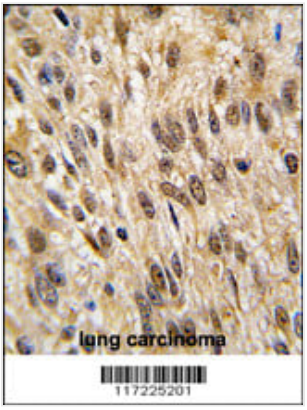
PRODUCT SYNONYMS

PTPN6; Polyclonal Antibody; PTPN6 Antibody (Center); Tyrosine-protein phosphatase non-receptor type 6; Hematopoietic cell protein-tyrosine phosphatase; Protein-tyrosine phosphatase 1C; PTP-1C; Protein-tyrosine phosphatase SHP-1; SH-PTP1; HCP; PTP1C; anti-PTPN6 antibody

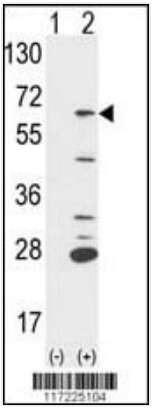
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PTPN6 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 247-277 amino acids from the Central region of human PTPN6.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	247-277
Sequence Length	624
Applicable Applications for anti-PTPN6 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Crown Antibody	Yes
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

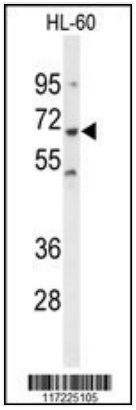
IMAGES



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human lung carcinoma tissue reacted with PTPN6 antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of PTPN6 (arrow) using rabbit polyclonal PTPN6 Antibody (Center). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the PTPN6 gene (Lane 2) (Origene Technologies).(2ug/ml



WB (Western Blot)
Western blot analysis of PTPN6 Antibody (Center) in HL-60 cell line lysates (35ug/lane).PTPN6 (arrow) was detected using the purified Pab.

IF (Immunofluorescence)
Immunofluorescent analysis of U251 cells, using PTPN6 Antibody (Center). AAA285050 was diluted at 1:100 dilution. Alexa Fluor 488-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody (green). DAPI was used to stain the cell nuclear (blue).

ADDITIONAL INFORMATION

Related Product Information for anti-PTPN6 antibody	PTPN6 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. N-terminal part of this PTP contains two tandem Src homolog (SH2) domains, which act as protein phospho-tyrosine binding domains, and mediate the interaction of this PTP with its substrates. This PTP is expressed primarily in hematopoietic cells, and functions as an important regulator of multiple signaling pathways in hematopoietic cells. This PTP has been shown to interact with, and dephosphorylate a wide spectrum of phospho-proteins involved in hematopoietic cell signaling.
Product Categories/Family for anti-PTPN6 antibody	Crown Antibodies; Cancer; Cell Biology; Immunology; Metabolism; Neuroscience; Signal Transduction
References	Korporaal,S.J., Arterioscler. Thromb. Vasc. Biol. 29 (3), 372-379 (2009) Cho,Y.S., Am. J. Respir. Cell Mol. Biol. 39 (4), 412-419 (2008) Christophi,G.P., Lab. Invest. 88 (3), 243-255 (2008) Jones,M.L., J. Biol. Chem. 279 (39), 40475-40483 (2004)

NCBI AND UNIPROT INFORMATION

NCBI GI #	18104989
NCBI GeneID	5777

NCBI Accession #	NP_002822.2; NP_536858.1; NP_536859.1
NCBI GenBank Nucleotide #	NM_002831.5
UniProt Accession #	P29350; Q969V8; Q9UK67; A8K306; G3V0F8
Molecular Weight	67561
NCBI Official Full Name	tyrosine-protein phosphatase non-receptor type 6 isoform 1
NCBI Official Synonym Full Names	protein tyrosine phosphatase, non-receptor type 6
NCBI Official Symbol	PTPN6
NCBI Official Synonym Symbols	HCP; HCPH; SHP1; SHP-1; HPTP1C; PTP-1C; SHP-1L; SH-PTP1
NCBI Protein Information	tyrosine-protein phosphatase non-receptor type 6
UniProt Protein Name	Tyrosine-protein phosphatase non-receptor type 6
UniProt Gene Name	**PTPN6**
UniProt Synonym Gene Names	HCP; PTP1C; PTP-1C
UniProt Entry Name	PTN6_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://www.aaabiotech.com/polyclonal/ptpn6-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/285050