

Product datasheet for **AP14264PU-N**

PTPN7 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	ELISA: 1/1,000. Western blotting: 1/50 - 1/100. Immunohistochemistry: 1/10 - 1/50.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide corresponding to amino acid residues surrounding S44 of human PTPN7.
Specificity:	This antibody reacts to PTPN7.
Formulation:	PBS with 0.09% (W/V) sodium azide State: Aff - Purified State: Liquid purified Ig
Concentration:	lot specific
Purification:	Protein A column, followed by peptide affinity purification
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	protein tyrosine phosphatase, non-receptor type 7
Database Link:	Entrez Gene 5778 Human P35236



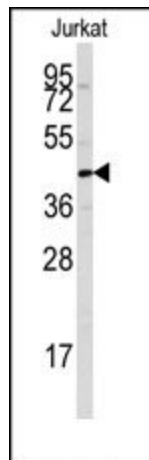
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Background:

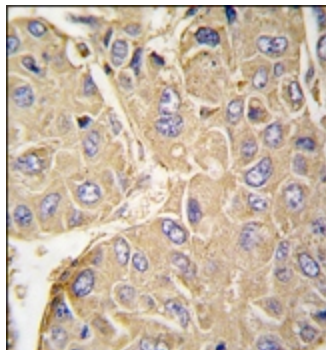
PTPN7 is a member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. PTPN7 is preferentially expressed in a variety of hematopoietic cells, and is an early response gene in lymphokine stimulated cells. The noncatalytic N-terminus of this PTP can interact with MAP kinases and suppress the MAP kinase activities. This PTP has been shown to be involved in the regulation of T cell antigen receptor (TCR) signaling, which is thought to function through dephosphorylating the molecules related to MAP kinase pathway.

Synonyms:

Protein-tyrosine phosphatase LC-PTP

Product images:

Western blot analysis of anti-PTPN7 Antibody in Jurkat cell line lysates (35ug/lane). PTPN7 (arrow) was detected using the purified Pab (1:60dilution).



Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with PTPN7 Antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining.