

Datasheet for ABIN359780
anti-PTPN7 antibody (Ser44)[Go to Product page](#)

2 Images

Overview

Quantity:	0.4 mL
Target:	PTPN7
Binding Specificity:	Ser44
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PTPN7 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide corresponding to amino acid residues surrounding S44 of human PTPN7.
Isotype:	Ig Fraction
Specificity:	This antibody reacts to PTPN7.
Purification:	Protein A column, followed by peptide affinity purification

Target Details

Target:	PTPN7
Alternative Name:	PTPN7 / HEPTP (PTPN7 Products)

Target Details

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: Hematopoietic protein-tyrosine phosphatase, Protein-tyrosine phosphatase LC-PTP, Tyrosine-protein phosphatase non-receptor type 7

Gene ID: 5778, 9606

UniProt: [P35236](#)

Application Details

Application Notes: ELISA: 1/1,000. Western blotting: 1/50 - 1/100. Immunohistochemistry: 1/10 - 1/50.
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.25 mg/mL

Buffer: PBS with 0.09 % (W/V) sodium azide

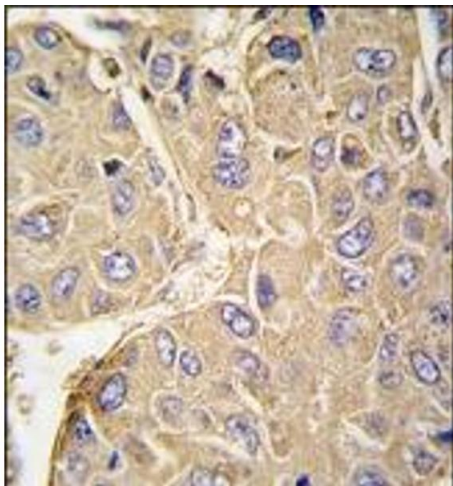
Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

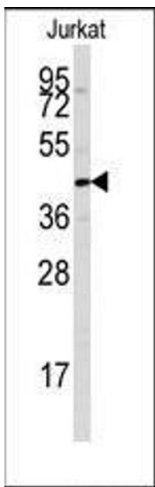
Storage: 4 °C/-20 °C

Storage Comment: Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with PTPN7 Antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining.



Western Blotting

Image 2. Western blot analysis of anti-PTPN7 Antibody in Jurkat cell line lysates (35ug/lane).PTPN7 (arrow) was detected using the purified Pab (1:60dilution).