

Datasheet for ABIN391869
anti-PTPN7 antibody (AA 22-51)[Go to Product page](#)

2 Images

Overview

Quantity:	400 µL
Target:	PTPN7
Binding Specificity:	AA 22-51
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PTPN7 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This PTPN7 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 22-51 amino acids from human PTPN7.
Clone:	RB11327
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	PTPN7
Alternative Name:	PTPN7 (PTPN7 Products)
Background:	PTPN7 is a member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be

Target Details

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.

Molecular Weight: 40529

Gene ID: 5778

NCBI Accession: [NP_542155](#)

UniProt: [P35236](#)

Application Details

Application Notes: WB: 1:1000. IHC-P: 1:10~50

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

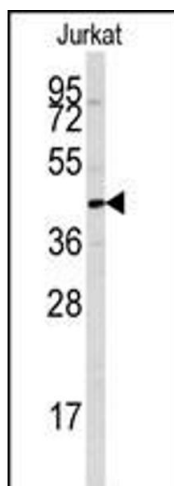
Preservative: Sodium azide

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

Storage: 4 °C, -20 °C

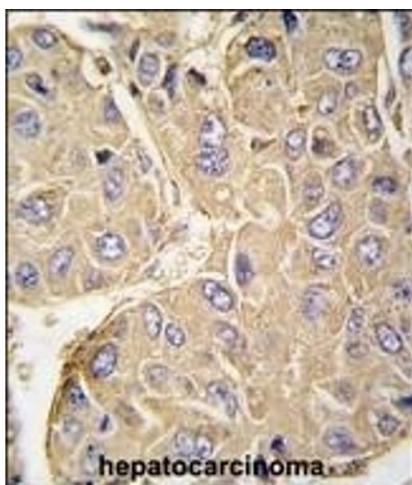
Storage Comment: Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

Expiry Date: 6 months



Western Blotting

Image 1. Western blot analysis of anti-PTPN7 Antibody (S44) (ABIN391869 and ABIN2841694) in Jurkat cell line lysates (35 µg/lane). PTPN7 (arrow) was detected using the purified Pab.



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with PTPN7 Antibody (S44) (ABIN391869 and ABIN2841694), 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.