

Datasheet for ABIN543957
anti-PTPN7 antibody (Ser44)[Go to Product page](#)[2 Images](#)[3 Publications](#)

Overview

Quantity:	400 µL
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))

Product Details

Purpose:	Rabbit polyclonal antibody raised against synthetic peptide of PTPN7.
Immunogen:	A synthetic peptide (conjugated with KLH) corresponding to residues surrounding S44 of human PTPN7.
Cross-Reactivity:	Human

Target Details

Target:	PTPN7
Alternative Name:	PTPN7 / HEPTP (PTPN7 Products)
Gene ID:	5778

Application Details

Application Notes:	Western Blot (1:1000) Immunohistochemistry (1:10-50) The optimal working dilution should be determined by the end user.
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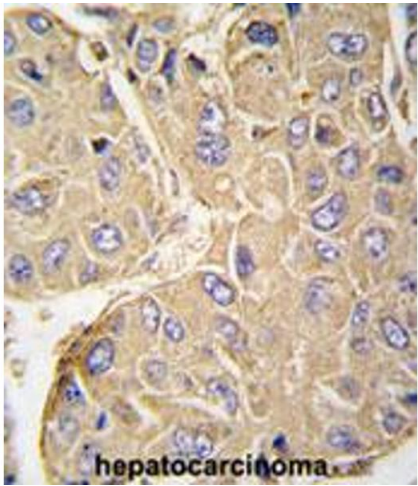
Restrictions:	For Research Use only
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Handling

Format:	Liquid
Buffer:	In PBS (0.09 % 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:	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.

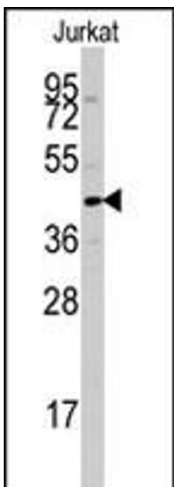
Publications

Product cited in:	<p>Eswaran, von Kries, Marsden, Longman, Debreczeni, Ugochukwu, Turnbull, Lee, Knapp, Barr: "Crystal structures and inhibitor identification for PTPN5, PTPRR and PTPN7: a family of human MAPK-specific protein tyrosine phosphatases." in: The Biochemical journal, Vol. 395, Issue 3, pp. 483-91, (2006) (PubMed).</p> <p>Mustelin, Tautz, Page: "Structure of the hematopoietic tyrosine phosphatase (HePTP) catalytic domain: structure of a KIM phosphatase with phosphate bound at the active site." in: Journal of molecular biology, Vol. 354, Issue 1, pp. 150-63, (2005) (PubMed).</p> <p>Pettiford, Herbst: "The protein tyrosine phosphatase HePTP regulates nuclear translocation of ERK2 and can modulate megakaryocytic differentiation of K562 cells." in: Leukemia, Vol. 17, Issue 2, pp. 366-78, (2003) (PubMed).</p>
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Immunohistochemistry

Image 1. Formalin-fixed and paraffin-embedded human hepatocarcinoma reacted with PTPN7 polyclonal antibody , which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



Western Blotting

Image 2. Western blot analysis of PTPN7 polyclonal antibody in Jurkat cell line lysates (35 ug/lane). PTPN7 (arrow) was detected using the purified polyclonal antibody.