

Datasheet for ABIN2855422
anti-PTPN12 antibody (N-Term)

4 Images

[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	PTPN12
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PTPN12 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the N-terminus region of human PTPN12. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Characteristics:	Rabbit Polyclonal antibody to PTPN12 (protein tyrosine phosphatase, non-receptor type 12) PTPN12 antibody [N1N2], N-term
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	PTPN12
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Target Details

Alternative Name:	protein tyrosine phosphatase non-receptor type 12 (PTPN12 Products)
Background:	<p>The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. PTPs are signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. This PTP contains a C-terminal PEST motif, which serves as a protein-protein interaction domain, and may regulate protein intracellular half-life. This PTP was found to bind and dephosphorylate the product of the oncogene c-ABL and thus may play a role in oncogenesis. This PTP was also shown to interact with, and dephosphorylate, various products related to cytoskeletal structure and cell adhesion, such as p130 (Cas), CAKbeta/PTK2B, PSTPIP1, and paxillin. This suggests it has a regulatory role in controlling cell shape and mobility. Alternative splicing results in multiple transcript variants encoding distinct isoforms.</p> <p>Cellular Localization: Cytoplasm</p>
Molecular Weight:	88 kDa
Gene ID:	5782
UniProt:	Q05209

Application Details

Application Notes:	WB: 1:1000-1:10000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: HeLa
Restrictions:	For Research Use only

Handling

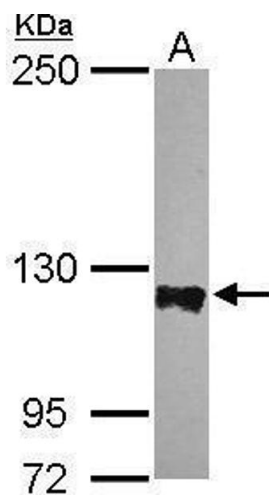
Format:	Liquid
Concentration:	0.93 mg/mL
Buffer:	0.1M Tris-Glycine (pH 7), 20 % Glycerol, 0.01 % Thimerosal
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage: 4 °C, -20 °C

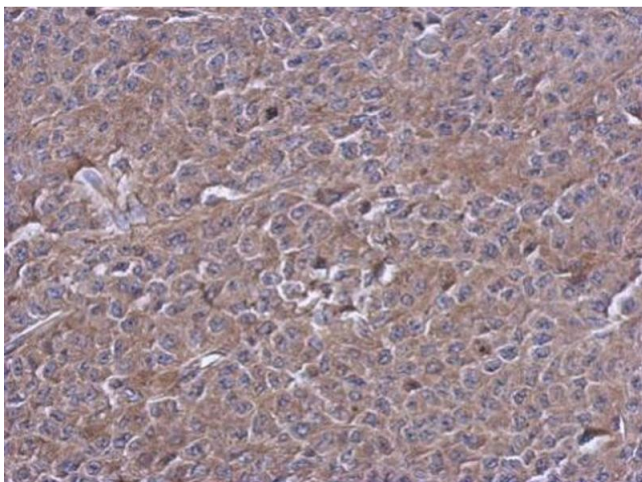
Storage Comment: Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Validation report #104383 for Cleavage Under Targets and Release Using Nuclease (CUT&RUN)



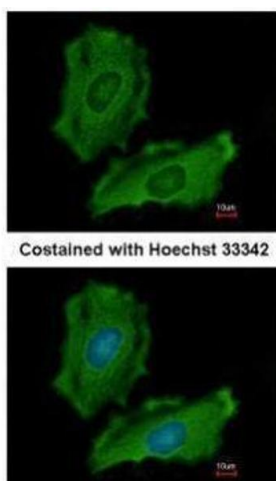
Western Blotting

Image 1. WB Image Sample (30 ug of whole cell lysate) A: HeLa 5% SDS PAGE antibody diluted at 1:5000



Immunohistochemistry

Image 2. IHC-P Image Immunohistochemical analysis of paraffin-embedded D54 xenograft, using PTPN12, antibody at 1:500 dilution.



Immunofluorescence

Image 3. ICC/IF Image Immunofluorescence analysis of methanol-fixed HeLa, using PTPN12, antibody at 1:200 dilution.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN2855422.