

Datasheet for ABIN5542696
anti-PTPN14 antibody (AA 896-1169)[Go to Product page](#)

7 Images

Overview

Quantity:	0.1 mg
Target:	PTPN14
Binding Specificity:	AA 896-1169
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This PTPN14 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunocytochemistry (ICC), Flow Cytometry (FACS)

Product Details

Immunogen:	Purified recombinant fragment of human PTPN14 (AA: 896-1169) expressed in E. coli.
Clone:	2B3H7
Isotype:	IgG1
Purification:	purified

Target Details

Target:	PTPN14
Alternative Name:	PTPN14 (PTPN14 Products)
Background:	Description: The protein encoded by this gene is a member of the protein tyrosine phosphatase

Target Details

(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. This PTP contains an N-terminal noncatalytic domain similar to that of band 4.1 superfamily cytoskeleton-associated proteins, which suggested the membrane or cytoskeleton localization of this protein. It appears to regulate lymphatic development in mammals, and a loss of function mutation has been found in a kindred with a lymphedema-choanal atresia.,
Aliases: PEZ, PTP36

Molecular Weight:	135.3 kDa
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Gene ID:	5784
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HGNC:	5784
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Application Details

Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000, ICC: 1:200 - 1:1000, FCM: 1:200 - 1:400
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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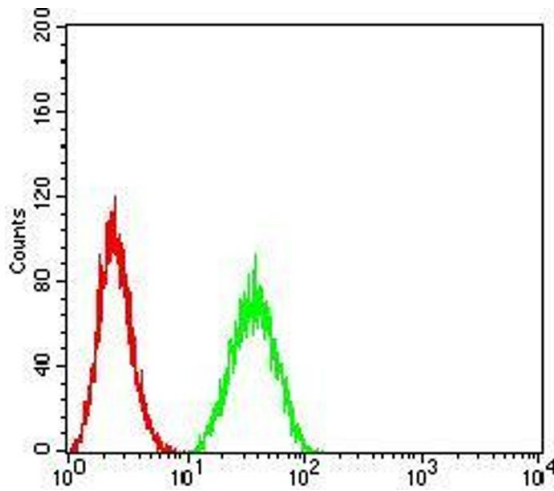
Buffer:	Purified antibody in PBS with 0.05 % sodium azide
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Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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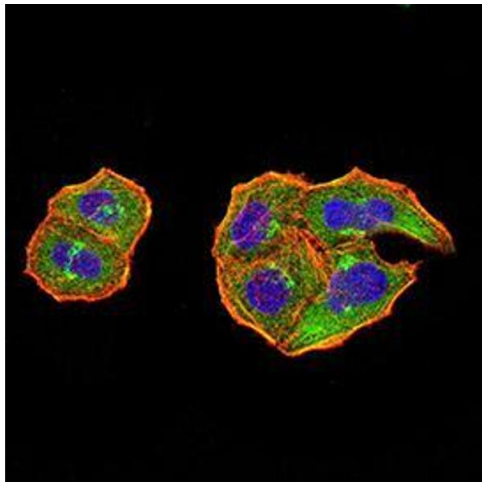
Storage:	4 °C/-20 °C
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Storage Comment:	4°C, -20°C for long term storage
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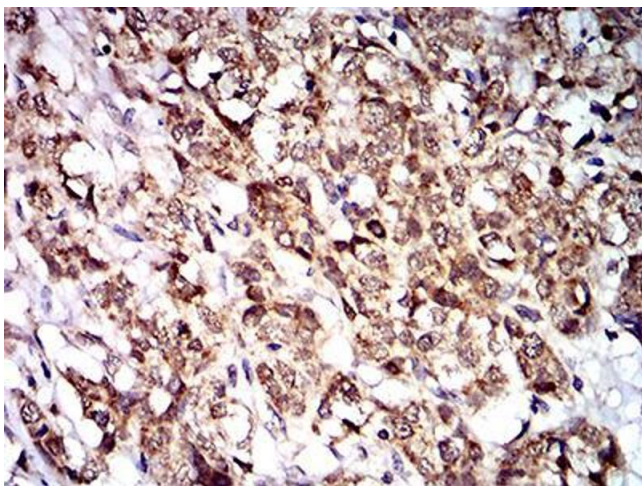
Flow Cytometry

Image 1. Flow cytometric analysis of Hela cells using PTPN14 mouse mAb (green) and negative control (red).



Immunocytochemistry

Image 2. Immunofluorescence analysis of Hela cells using PTPN14 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin. Secondary antibody from Fisher



Immunohistochemistry

Image 3. Immunohistochemical analysis of paraffin-embedded breast cancer tissues using PTPN14 mouse mAb with DAB staining.

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN5542696.