

Datasheet for ABIN7174097

**anti-PTPN14 antibody (AA 220-351)**[Go to Product page](#)**1** Image

## Overview

Quantity:	100 µg
Target:	PTPN14
Binding Specificity:	AA 220-351
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PTPN14 antibody is un-conjugated
Application:	ELISA, Immunofluorescence (IF)

## Product Details

Immunogen:	Recombinant Human Tyrosine-protein phosphatase non-receptor type 14 protein (220-351AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

## Target Details

Target:	PTPN14
Alternative Name:	PTPN14 ( <a href="#">PTPN14 Products</a> )
Background:	Background: Protein tyrosine phosphatase which may play a role in the regulation of lymphangiogenesis, cell-cell adhesion, cell-matrix adhesion, cell migration, cell growth and also

## Target Details

regulates TGF-beta gene expression, thereby modulating epithelial-mesenchymal transition. Mediates beta-catenin dephosphorylation at adhesion junctions. Acts as a negative regulator of the oncogenic property of YAP, a downstream target of the hippo pathway, in a cell density-dependent manner. May function as a tumor suppressor.

Aliases: Cytoskeletal associated protein tyrosine phosphatase antibody, MGC126803 antibody, PEZ antibody, Phosphatase with ezrin domain antibody, Protein tyrosine phosphatase non receptor type 14 antibody, Protein tyrosine phosphatase pez antibody, Protein-tyrosine phosphatase pez antibody, PTN14\_HUMAN antibody, PTP 36 antibody, PTP36 antibody, PTPD 2 antibody, PTPN 14 antibody, PTPN14 antibody, Tyrosine protein phosphatase non receptor type 14 antibody, Tyrosine-protein phosphatase non-receptor type 14 antibody

UniProt: [Q15678](#)

## Application Details

Application Notes: Recommended dilution: IF:1:50-1:200,

Restrictions: For Research Use only

## Handling

Format: Liquid

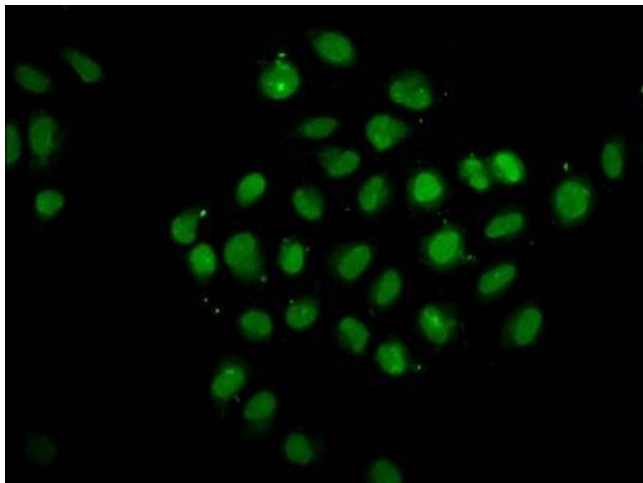
Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

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

Storage: -20 °C, -80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



#### Immunofluorescence

**Image 1.** Immunofluorescence staining of HeLa cells with ABIN7174097 at 1:133, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).