

Anti-PTPN14 Antibody (8D656)

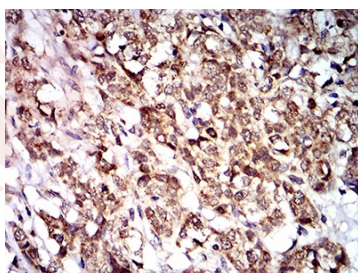
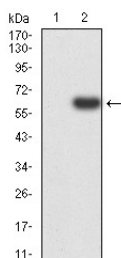
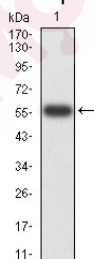
Product Details

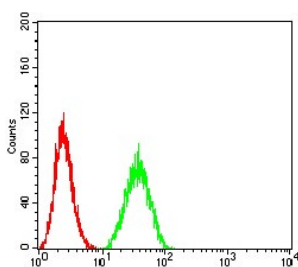
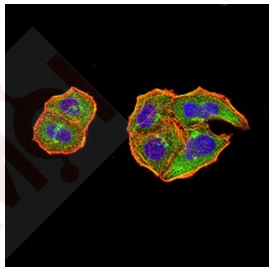
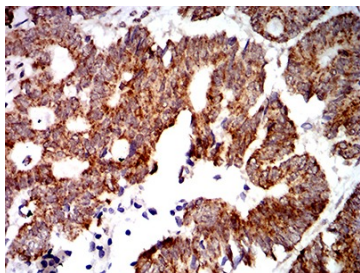
Reactivity:	Human
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 135 kDa.
Clone:	8D656
Purification:	ProA affinity purified

Applications

Verified Activity:

1. Western blot analysis of PTPN14 on human PTPN14 recombinant protein using anti-PTPN14 antibody at 1/1,000 dilution.
2. Western blot analysis of PTPN14 on HEK293 (1) and PTPN14-hlgGfc transfected HEK293 (2) cell lysate using anti-PTPN14 antibody at 1/1,000 dilution.
3. Immunohistochemical analysis of paraffin-embedded human breast cancer tissue using anti-PTPN14 antibody. Counter stained with hematoxylin.
4. Immunohistochemical analysis of paraffin-embedded human rectum cancer tissue using anti-PTPN14 antibody. Counter stained with hematoxylin.
5. ICC staining PTPN14 (green) and Actin filaments (red) in Hela cells. The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
6. Flow cytometric analysis of Hela cells with PTPN14 antibody at 1/100 dilution (green) compared with an unlabelled control (cells without incubation with primary antibody; red).





Application: FCM, ICC, IHC, WB

Recommended WB: 1:500-2000; IHC: 1:50-200; ICC: 1:50-200; FCM: 1:50-100

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein

Uniprot ID: Q15678

Synonyms: PTPN14; Protein-tyrosine phosphatase pez; PEZ; PTPD2; Tyrosine-protein phosphatase non-receptor type 14

Research 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 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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