

PTPN23 Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17418b

Specification

PTPN23 Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	Q9H3S7
Other Accession	NP_056281.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	178974
Antigen Region	1181-1209

PTPN23 Antibody (C-term) - Additional Information

Gene ID 25930

Other Names

Tyrosine-protein phosphatase non-receptor type 23, His domain-containing protein tyrosine phosphatase, HD-PTP, Protein tyrosine phosphatase TD14, PTP-TD14, PTPN23, KIAA1471

Target/Specificity

This PTPN23 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1181-1209 amino acids from the C-terminal region of human PTPN23.

Dilution

WB~~1:1000

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

PTPN23 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

PTPN23 Antibody (C-term) - Protein Information

Name PTPN23

Synonyms KIAA1471

Function Plays a role in sorting of endocytic ubiquitinated cargos into multivesicular bodies (MVBs) via its interaction with the ESCRT-I complex (endosomal sorting complex required for transport I), and possibly also other ESCRT complexes (PubMed:[18434552](#), PubMed:[21757351](#)). May act as a negative regulator of Ras-mediated mitogenic activity (PubMed:[18434552](#)). Plays a role in ciliogenesis (PubMed:[20393563](#)).

Cellular Location

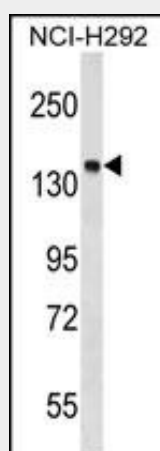
Nucleus. Cytoplasm. Cytoplasmic vesicle. Endosome. Cytoplasm, cytoskeleton, cilium basal body. Early endosome

PTPN23 Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PTPN23 Antibody (C-term) - Images



PTPN23 Antibody (C-term) (Cat. #AP17418b) western blot analysis in NCI-H292 cell line lysates (35ug/lane). This demonstrates the PTPN23 antibody detected the PTPN23 protein (arrow).

PTPN23 Antibody (C-term) - Background

PTPN23 may act as a negative regulator of Ras-mediated mitogenic activity.

PTPN23 Antibody (C-term) - References

Mariotti, M., et al. Int. J. Biochem. Cell Biol. 41(3):687-693(2009)
Mariotti, M., et al. Cancer Lett. 273(1):155-163(2009)
Gingras, M.C., et al. PLoS ONE 4 (4), E5105 (2009) :
Castiglioni, S., et al. Biochem. Biophys. Res. Commun. 364(3):534-539(2007)
Matsuoka, S., et al. Science 316(5828):1160-1166(2007)