

PTPN12 antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI13951**Specification**

PTPN12 antibody - middle region - Product Information

Application	WB
Primary Accession	Q05209
Other Accession	NM_002835 , NP_002826
Reactivity	Human, Mouse, Rat, Rabbit, Horse, Bovine, Guinea Pig, Dog
Predicted	Human, Rat, Rabbit, Chicken, Horse, Bovine, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	88kDa kDa

PTPN12 antibody - middle region - Additional Information**Gene ID** 5782**Alias Symbol** PTP-PEST, PTPG1**Other Names**

Tyrosine-protein phosphatase non-receptor type 12, 3.1.3.48, PTP-PEST, Protein-tyrosine phosphatase G1, PTPG1, PTPN12

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-PTPN12 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

PTPN12 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

PTPN12 antibody - middle region - Protein Information**Name** PTPN12**Function**

Dephosphorylates a range of proteins, and thereby regulates cellular signaling cascades (PubMed: [18559503](http://www.uniprot.org/citations/18559503)). Dephosphorylates cellular tyrosine kinases, such as ERBB2 and PTK2B/PYK2, and thereby regulates signaling via ERBB2 and PTK2B/PYK2 (PubMed: [17329398](http://www.uniprot.org/citations/17329398), PubMed: [27134172](http://www.uniprot.org/citations/27134172)). Selectively

dephosphorylates ERBB2 phosphorylated at 'Tyr-1112', 'Tyr-1196', and/or 'Tyr-1248' (PubMed:27134172).

Cellular Location

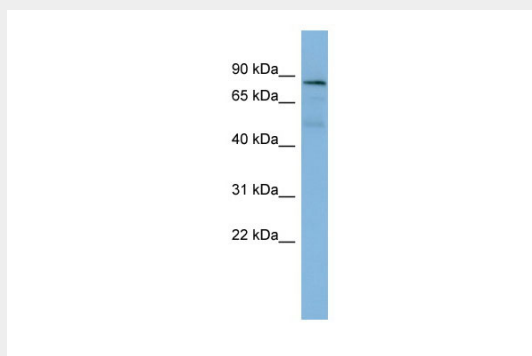
Cytoplasm {ECO:0000250|UniProtKB:P35831}. Cell junction, focal adhesion. Cell projection, podosome {ECO:0000250|UniProtKB:P35831}. Note=Partial translocation to focal adhesion sites may be mediated by interaction with SORBS2.

PTPN12 antibody - middle region - 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](#)

PTPN12 antibody - middle region - Images



WB Suggested Anti-PTPN12 Antibody Titration: 0.2-1 µg/ml

ELISA Titer: 1:1562500

Positive Control: HT1080 cell lysate

PTPN12 is strongly supported by BioGPS gene expression data to be expressed in Human HT1080 cells

PTPN12 antibody - middle region - References

Takekawa M., et al. Biochem. Biophys. Res. Commun. 189:1223-1230(1992).
Yang Q., et al. J. Biol. Chem. 268:6622-6628(1993).
Yang Q., et al. J. Biol. Chem. 268:17650-17650(1993).
Ota T., et al. Nat. Genet. 36:40-45(2004).
Totoki Y., et al. Submitted (MAR-2005) to the EMBL/GenBank/DDBJ databases.