

PTPN12 Antibody (C-Term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21933b

Specification

PTPN12 Antibody (C-Term) - Product Information

Application	WB,E
Primary Accession	Q05209
Reactivity	Human
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Calculated MW	88106

PTPN12 Antibody (C-Term) - Additional Information

Gene ID 5782

Other Names

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

Target/Specificity

This PTPN12 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 681-714 amino acids from human PTPN12.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

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

PTPN12 Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

PTPN12 Antibody (C-Term) - Protein Information

Name PTPN12

Function Dephosphorylates a range of proteins, and thereby regulates cellular signaling cascades (PubMed:[18559503](#)). Dephosphorylates cellular tyrosine kinases, such as ERBB2 and PTK2B/PYK2,

and thereby regulates signaling via ERBB2 and PTK2B/PYK2 (PubMed:[17329398](#), PubMed:[27134172](#)). Selectively dephosphorylates ERBB2 phosphorylated at 'Tyr-1112', 'Tyr-1196', and/or 'Tyr-1248' (PubMed:[27134172](#)).

Cellular Location

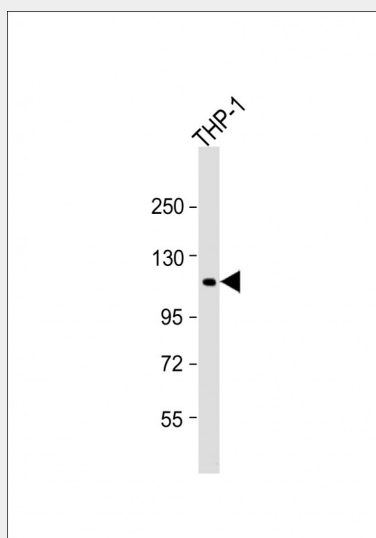
Cytoplasm {ECO:0000250|UniProtKB:P35831}. Cell junction, focal adhesion. Cell projection, podosome {ECO:0000250|UniProtKB:P35831}. Note=Partial translocation to focal adhesion sites may be mediated by interaction with SORBS2.

PTPN12 Antibody (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](#)

PTPN12 Antibody (C-Term) - Images



Anti-PTPN12 Antibody (C-Term) at 1:1000 dilution + THP-1 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 88 kDa Blocking/Dilution buffer: 5% NFD/MTBST.

PTPN12 Antibody (C-Term) - Background

Dephosphorylates cellular tyrosine kinases, including PTK2B/PYK2, and thereby regulates signaling via PTK2B/PYK2.

PTPN12 Antibody (C-Term) - 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.