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PTPN12 antibody - middle region

Rabbit Polyclonal Antibody
Catalog # AI13951

Product Information

Application	WB
Primary Accession	Q05209
Other Accession	NM_002835, NP_002826
Reactivity	Human, Mouse, Rat, Rabbit, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Rat, Rabbit, Chicken, Dog, Guinea Pig, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	88106

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.

Protein Information

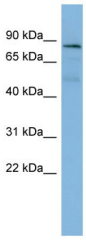
Name	PTPN12
Function	Dephosphorylates a range of proteins, and thereby regulates cellular signaling cascades (PubMed:18559503). Dephosphorylates cellular tyrosine kinases, such as ERBB2 and PTK2B/PYK2, and thereby regulates signaling via ERBB2 and PTK2B/PYK2 (PubMed:17329398, PubMed:27134172). Selectively 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.

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.

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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.