

PTPRA / RPTP-Alpha Antibody (Cytoplasmic Domain)
Rabbit Polyclonal Antibody
Catalog # ALS10876

Specification

PTPRA / RPTP-Alpha Antibody (Cytoplasmic Domain) - Product Information

Application	IHC
Primary Accession	P18433
Reactivity	Human, Mouse, Rabbit, Zebrafish, Hamster, Monkey, Pig, Chicken, Horse, Xenopus, Bovine, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	91kDa KDa

PTPRA / RPTP-Alpha Antibody (Cytoplasmic Domain) - Additional Information

Gene ID 5786

Other Names

Receptor-type tyrosine-protein phosphatase alpha, Protein-tyrosine phosphatase alpha, R-PTP-alpha, 3.1.3.48, PTPRA, PTPA, PTPRL2

Target/Specificity

Human PTPRA. BLAST analysis of the peptide immunogen showed no homology with other human proteins, except PTPRE (67%).

Reconstitution & Storage

Long term: -70°C; Short term: +4°C

Precautions

PTPRA / RPTP-Alpha Antibody (Cytoplasmic Domain) is for research use only and not for use in diagnostic or therapeutic procedures.

PTPRA / RPTP-Alpha Antibody (Cytoplasmic Domain) - Protein Information

Name PTPRA

Synonyms PTPA, PTPRL2

Function

Tyrosine protein phosphatase which is involved in integrin- mediated focal adhesion formation (By similarity). Following integrin engagement, specifically recruits BCAR3, BCAR1 and CRK to focal adhesions thereby promoting SRC-mediated phosphorylation of BRAC1 and the subsequent activation of PAK and small GTPase RAC1 and CDC42 (By similarity).

Cellular Location

Cell membrane; Single-pass type I membrane protein. Cell junction, focal adhesion

{ECO:0000250|UniProtKB:P18052}. Note=Localizes to focal adhesion sites following integrin engagement. {ECO:0000250|UniProtKB:P18052}

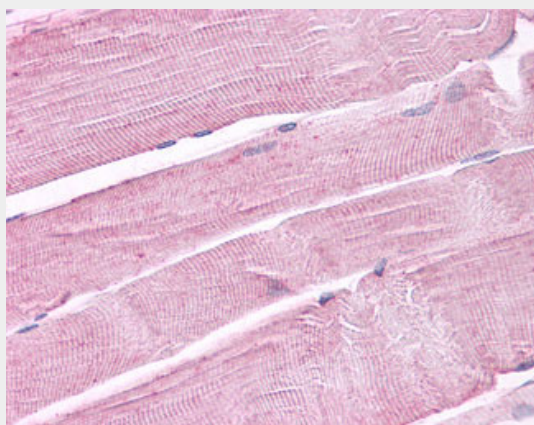
Volume

50 µl

PTPRA / RPTP-Alpha Antibody (Cytoplasmic Domain) - 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](#)

PTPRA / RPTP-Alpha Antibody (Cytoplasmic Domain) - Images

Anti-PTPRA antibody IHC of human skeletal muscle.

PTPRA / RPTP-Alpha Antibody (Cytoplasmic Domain) - References

- Sap J., et al. Proc. Natl. Acad. Sci. U.S.A. 87:6112-6116(1990).
Kaplan R., et al. Proc. Natl. Acad. Sci. U.S.A. 87:7000-7004(1990).
Krueger N.X., et al. EMBO J. 9:3241-3252(1990).
Ohagi S., et al. Nucleic Acids Res. 18:7159-7159(1990).
Jirik F.R., et al. FEBS Lett. 273:239-242(1990).