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Anti-PTP alpha Antibody

Catalog # AP60622

Product Information

Application	WB, IF/IC
Primary Accession	P18433
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	90719

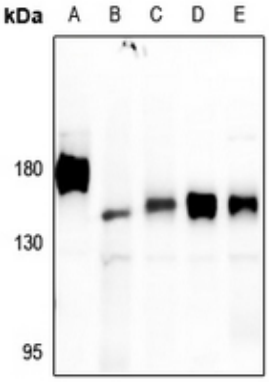
Additional Information

Gene ID	5786
Other Names	PTPA; PTPRL2; Receptor-type tyrosine-protein phosphatase alpha; Protein-tyrosine phosphatase alpha; R-PTP-alpha
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human PTP alpha. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

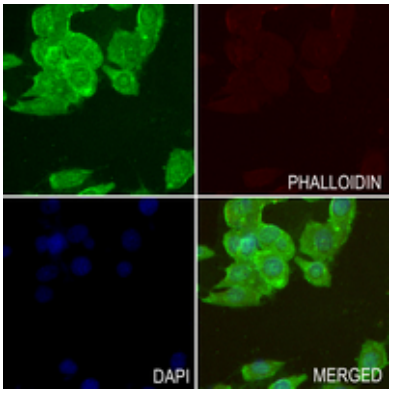
Protein Information

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}

Images



Western blot analysis of PTP alpha expression in HCT116 (A), Myla2059 (B), C6 (C), CT26 (D), Hela (E) whole cell lysates. (Predicted band size: 90 kD; Observed band size: 145 kD)



Immunofluorescent analysis of PTP alpha staining in LS8 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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