

Phospho-PTPRA-Y789 Rabbit pAb

Catalog No.: AP0814

Basic Information

Observed MW

145kDa

Calculated MW

91kDa

Category

Primary antibody

Applications

ELISA, WB

Cross-Reactivity

Human, Mouse, Rat

Background

The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. This PTP contains an extracellular domain, a single transmembrane segment and two tandem intracytoplasmic catalytic domains, and thus represents a receptor-type PTP. This PTP has been shown to dephosphorylate and activate Src family tyrosine kinases, and is implicated in the regulation of integrin signaling, cell adhesion and proliferation. Three alternatively spliced variants of this gene, which encode two distinct isoforms, have been reported.

Recommended Dilutions

WB 1:500 - 1:2000

Immunogen Information

Gene ID

5786

Swiss Prot

P18433

Immunogen

A synthetic phosphorylated peptide around Y789 of human PTPRA (NP_543030.1).

Synonyms

LRP; HLPR; PTPA; HEPTP; HPTPA; RPTPA; PTPRL2; HPTPalpha; R-PTP-alpha; Phospho-PTPRA-Y789

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

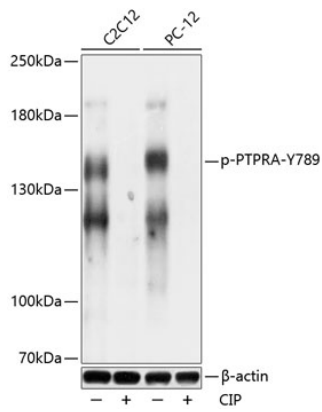
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of lysates from C2C12 and PC-12 cells, using Phospho-PTPRA-Y789 Rabbit pAb (AP0814) at 1:1000 dilution. C2C12 cell lysate were treated by CIP (20ul CIP for each 400ul cell lysate) at 37°C for 1 hour .PC-12 cell lysate were treated by CIP (20ul CIP for each 400ul cell lysate) at 37°C for 1 hour .
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% BSA.
Detection: ECL Basic Kit (RM00020).
Exposure time: 30s.