

# Phospho-PTPRA-Y789 Rabbit pAb

Catalog No.: AP0814

## Basic Information

### Observed MW

145kDa

### Calculated MW

91kDa

### Category

Primary antibody

### Applications

WB,ELISA

### 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

**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

### Gene ID

5786

### Swiss Prot

P18433

### Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

### 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

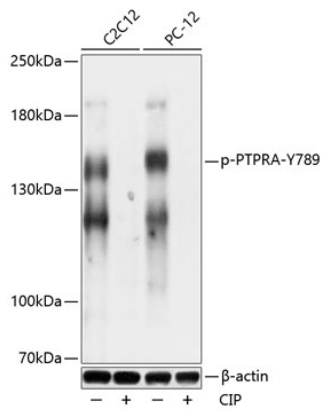
Affinity purification

### 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-conjugated 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.