

PTPN13 Rabbit pAb

Catalog No.: A13005 **1 Publications**

Basic Information

Observed MW

250kDa

Calculated MW

277kDa

Category

Primary antibody

Applications

ELISA,WB,IF/ICC

Cross-Reactivity

Human, Mouse, Rat

Background

The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. PTPs are signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. This PTP is a large intracellular protein. It has a catalytic PTP domain at its C-terminus and two major structural domains: a region with five PDZ domains and a FERM domain that binds to plasma membrane and cytoskeletal elements. This PTP was found to interact with, and dephosphorylate, Fas receptor and I κ B α through the PDZ domains. This suggests it has a role in Fas mediated programmed cell death. This PTP was also shown to interact with GTPase-activating protein, and thus may function as a regulator of Rho signaling pathways. Four alternatively spliced transcript variants, which encode distinct proteins, have been reported.

Recommended Dilutions

WB	1:2000 - 1:6000
IF/ICC	1:50 - 1:100

Immunogen Information

Gene ID

5783

Swiss Prot

Q12923

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 250-500 of human PTPN13 (NP_542416.1).

Synonyms

PNP1; FAP-1; PTP1E; PTPL1; PTPLE; PTP-BL; hPTP1E; PTP-BAS; PTPN13

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

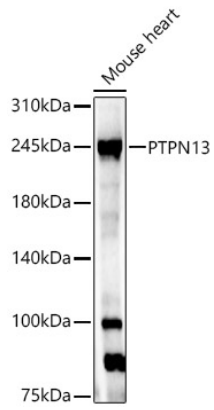
Affinity purification

Storage

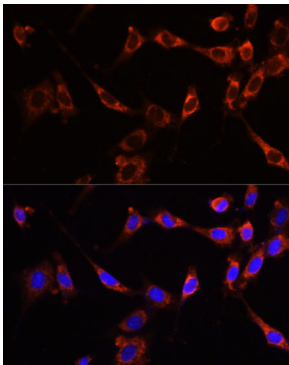
Store at -20°C. Avoid freeze / thaw cycles.

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

Validation Data



Western blot analysis of Mouse heart, using PTPN13 Rabbit pAb (A13005) at 1:5000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 μ g per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Enhanced Kit (RM00021).
Exposure time: 60s.



Immunofluorescence analysis of NIH-3T3 cells using PTPN13 Polyclonal Antibody (A13005) at dilution of 1:100 (40x lens).
Blue: DAPI for nuclear staining.