

PGE receptor EP1 (PTGER1) Rabbit pAb

Catalog No.: A12310

Basic Information

Observed MW

42kDa

Calculated MW

42kDa

Category

Primary antibody

Applications

ELISA, WB

Cross-Reactivity

Mouse

Background

The protein encoded by this gene is a member of the G protein-coupled receptor family. This protein is one of four receptors identified for prostaglandin E2 (PGE2). Through a phosphatidylinositol-calcium second messenger system, G-Q proteins mediate this receptor's activity. Knockout studies in mice suggested a role of this receptor in mediating algesia and in regulation of blood pressure. Studies in mice also suggested that this gene may mediate adrenocorticotrophic hormone response to bacterial endotoxin.

Recommended Dilutions

WB 1:500 - 1:2000

Immunogen Information

Gene ID

5731

Swiss Prot

P34995

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 300-400 of human PGE receptor EP1 (PGE receptor EP1 (PTGER1)) (NP_000946.2).

Synonyms

EP1; PGE receptor EP1 (PTGER1)

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

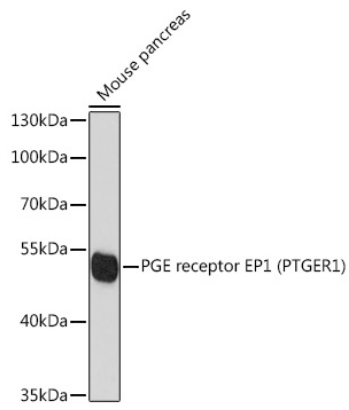
Affinity purification

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 mouse pancreas, using PGE receptor EP1 (PTGER1) Rabbit pAb (A12310) at 1:1000 dilution.

Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Enhanced Kit (RM00021).

Exposure time: 90s.