A2913

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PGE receptor EP1 (PTGER1) Rabbit pAb

Catalog No.: A2913 **1 Publications**

Basic Information

Observed MW
42kDa

Calculated MW
42kDa

Category
Polyclonal Antibody

Applications
WB,ELISA

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 adrenocorticotropic hormone response to bacterial endotoxin.

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
5731

Swiss Prot
P34995

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

Synonyms
EP1; PGE receptor EP1 (PTGER1)

Contact

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Product Information

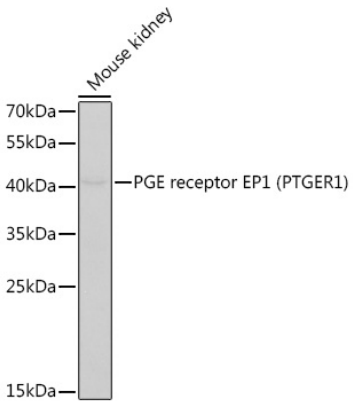
Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃

Validation Data



Western blot analysis of lysates from mouse kidney, using PGE receptor EP1 (PTGER1) Rabbit pAb (A2913) at 1:400 dilution.
Secondary antibody: HRP-conjugated 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).