Product datasheet

Anti-Prostaglandin E Receptor EP2/PTGER2 antibody
ab124419

Overview

Product name  Anti-Prostaglandin E Receptor EP2/PTGER2 antibody
Description  Rabbit polyclonal to Prostaglandin E Receptor EP2/PTGER2
Host species  Rabbit
Tested applications  Suitable for: WB, ELISA, IHC-P
Species reactivity  Reacts with: Mouse, Human
Predicted to work with: Rat
Immunogen  Synthetic peptide corresponding to Human Prostaglandin E Receptor EP2/PTGER2 (C terminal).
Positive control  Mouse liver cell extract, Human Uterus, Myometrium tissue
General notes  This product was previously labelled as Prostaglandin E Receptor EP2

Properties

Form  Liquid
Storage instructions  Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Storage buffer  pH: 7.40
Preservative: 0.02% Sodium azide
Constituents: 49% PBS, 50% Glycerol, 0.88% Sodium chloride
(without Mg2+, Ca2+)
Purity  Immunogen affinity purified
Clonality  Polyclonal
Isotype  IgG

Applications

Our Abpromise guarantee covers the use of ab124419 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.
Receptor for prostaglandin E2 (PGE2). The activity of this receptor is mediated by G(s) proteins that stimulate adenylate cyclase. The subsequent raise in intracellular cAMP is responsible for the relaxing effect of this receptor on smooth muscle.

Tissue specificity
Placenta and lung.

Sequence similarities
Belongs to the G-protein coupled receptor 1 family.

Cellular localization
Cell membrane.

**Application** | **Abreviews** | **Notes**
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WB | 1/500 - 1/1000. Predicted molecular weight: 40 kDa. |  
ELISA | 1/1000. |  
IHC-P | Use a concentration of 5 µg/ml. |  

**Target**

**Function**
Receptor for prostaglandin E2 (PGE2). The activity of this receptor is mediated by G(s) proteins that stimulate adenylate cyclase. The subsequent raise in intracellular cAMP is responsible for the relaxing effect of this receptor on smooth muscle.

**Tissue specificity**
Placenta and lung.

**Sequence similarities**
Belongs to the G-protein coupled receptor 1 family.

**Cellular localization**
Cell membrane.

**Images**

**Western blot - Anti-Prostaglandin E Receptor EP2/PTGER2 antibody (ab124419)**

**All lanes**: Anti-Prostaglandin E Receptor EP2/PTGER2 antibody (ab124419) at 1/500 dilution

**Lane 1**: Mouse liver cell extract

**Lane 2**: Mouse liver cell extract with synthesized peptide

**Predicted band size**: 40 kDa

**Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Prostaglandin E Receptor EP2/PTGER2 antibody (ab124419)**

Staining of Prostaglandin E Receptor EP2/PTGER2 in Paraffin-embedded Human Uterus, Myometrium tissue by Immunohistochemistry using ab124419 at a concentration of 5 µg/ml.
Please note: All products are “FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES”

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