

Anti-PTGER2 Picoband Antibody
Catalog # ABO12077**Specification**

Anti-PTGER2 Picoband Antibody - Product Information

Application	WB
Primary Accession	P43116
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized

Description

Rabbit IgG polyclonal antibody for Prostaglandin E2 receptor EP2 subtype (PTGER2) detection. Tested with WB in Human.

Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-PTGER2 Picoband Antibody - Additional Information

Gene ID 5732

Other Names

Prostaglandin E2 receptor EP2 subtype, PGE receptor EP2 subtype, PGE2 receptor EP2 subtype, Prostanoid EP2 receptor, PTGER2

Calculated MW

39761 MW KDa

Application Details

Western blot, 0.1-0.5 µg/ml, Human

Subcellular Localization

Cell membrane; Multi-pass membrane protein.

Tissue Specificity

Placenta and lung.

Protein Name

Prostaglandin E2 receptor EP2 subtype

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.

Immunogen

A synthetic peptide corresponding to a sequence at the C-terminus of human PTGER2 (281-308aa TIFAYMNETSSRKEKWDLQALRFLSINS), different from the related mouse sequence by four amino acids, and from the related rat sequence by three amino acids.

Purification

Immunogen affinity purified.

Cross Reactivity

No cross reactivity with other proteins.

Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Sequence Similarities

Belongs to the G-protein coupled receptor 1 family.

Anti-PTGER2 Picoband Antibody - Protein Information**Name** PTGER2**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.

Cellular Location

Cell membrane; Multi-pass membrane protein.

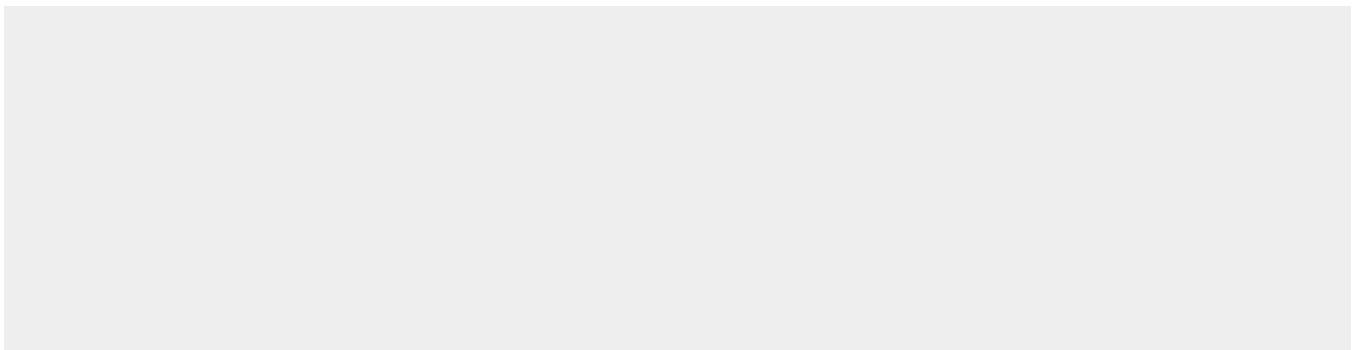
Tissue Location

Placenta and lung.

Anti-PTGER2 Picoband Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-PTGER2 Picoband Antibody - Images



Anti-PTGER2 Picoband antibody, ABO12077, Western blotting All lanes: Anti PTGER2 (ABO12077) at 0.5ug/ml Lane 1: Human Placenta Tissue Lysate at 50ug Lane 2: A549 Whole Cell Lysate at 40ug Lane 3: HEPG2 Whole Cell Lysate at 40ug Predicted bind size: 40KD Observed bind size: 40KD

Anti-PTGER2 Picoband Antibody - Background

Prostaglandin E2 receptor (53kDa), also known as EP2, is a prostaglandin receptor for prostaglandin E2. It is encoded by the human gene PTGER2. It may be associated with aspirin-induced asthma. PTGER2 is mapped to chromosome 14q22. This gene encodes a receptor for prostaglandin E2, a metabolite of arachidonic acid which has different biologic activities in a wide range of tissues. Mutations in this gene are associated with aspirin-induced susceptibility to asthma.