

Anti-PTGER2 Picoband Antibody

Catalog # ABO12077

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.

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
Application Details	Western blot, 0.1-0.5 µg/ml, Human
Subcellular Localization	Cell membrane; Multi-pass membrane protein.
Tissue Specificity	Placenta and lung.
Source	Eukaryota
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

Sequence Similarities

freezing and thawing.
Belongs to the G-protein coupled receptor 1 family.

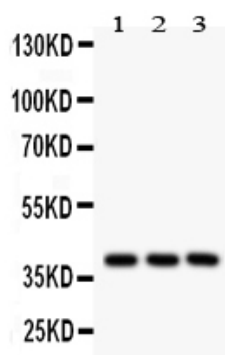
Protein Information

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.

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.

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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.