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PTGER2 Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP8862c

Specification

PTGER2 Antibody (Center) Blocking Peptide - Product Information

Primary Accession P43116

PTGER2 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 5732

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

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP8862c was selected from the Center region of human PTGER2. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

PTGER2 Antibody (Center) Blocking Peptide - 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.

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PTGER2 Antibody (Center) Blocking Peptide - Protocols

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

- Blocking Peptides

PTGER2 Antibody (Center) Blocking Peptide - Images

PTGER2 Antibody (Center) Blocking Peptide - Background

PTGER2 is 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.

PTGER2 Antibody (Center) Blocking Peptide - References

Sagana,R.L.,ET.AL., J. Biol. Chem. 284 (47), 32264-32271 (2009)