

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](/products/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.

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)