

PTGER4 / EP4 Antibody (C-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS10106

Specification

PTGER4 / EP4 Antibody (C-Terminus) - Product Information

Application	IHC
Primary Accession	P35408
Reactivity	Human, Mouse, Hamster, Monkey, Horse, Bovine, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	53kDa KDa

PTGER4 / EP4 Antibody (C-Terminus) - Additional Information

Gene ID 5734

Other Names

Prostaglandin E2 receptor EP4 subtype, PGE receptor EP4 subtype, PGE2 receptor EP4 subtype, Prostanoid EP4 receptor, PTGER4, PTGER2

Target/Specificity

Human PTGER4 / EP4. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

Reconstitution & Storage

Long term: -70°C; Short term: +4°C

Precautions

PTGER4 / EP4 Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

PTGER4 / EP4 Antibody (C-Terminus) - Protein Information

Name PTGER4

Synonyms PTGER2

Function

Receptor for prostaglandin E2 (PGE2). The activity of this receptor is mediated by G(s) proteins that stimulate adenylate cyclase. Has a relaxing effect on smooth muscle. May play an important role in regulating renal hemodynamics, intestinal epithelial transport, adrenal aldosterone secretion, and uterine function.

Cellular Location

Cell membrane; Multi-pass membrane protein.

Tissue Location

High in intestine and in peripheral blood mononuclear cells; low in lung, kidney, thymus, uterus, vasculature and brain. Not found in liver, heart, retina or skeletal muscle

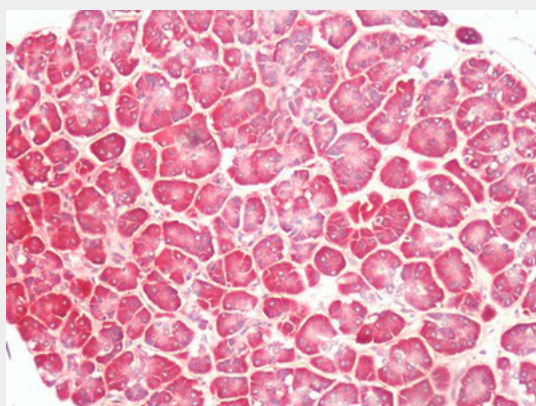
Volume

50 μ l

PTGER4 / EP4 Antibody (C-Terminus) - 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](#)

PTGER4 / EP4 Antibody (C-Terminus) - Images

Human, Pancreas: Formalin-Fixed Paraffin-Embedded (FFPE)

PTGER4 / EP4 Antibody (C-Terminus) - Background

Receptor for prostaglandin E2 (PGE2). The activity of this receptor is mediated by G(s) proteins that stimulate adenylate cyclase. Has a relaxing effect on smooth muscle. May play an important role in regulating renal hemodynamics, intestinal epithelial transport, adrenal aldosterone secretion, and uterine function.

PTGER4 / EP4 Antibody (C-Terminus) - References

Bastien L., et al. *J. Biol. Chem.* 269:11873-11877(1994).
An S., et al. *Biochem. Biophys. Res. Commun.* 197:263-270(1993).
Foord S.M., et al. *Genomics* 35:182-188(1996).
Mori K., et al. *J. Mol. Med.* 74:333-336(1996).
Kopatz S.A., et al. Submitted (OCT-2003) to the EMBL/GenBank/DDBJ databases.