

PTGER2 / EP2 Antibody (Cytoplasmic Domain)
Rabbit Polyclonal Antibody
Catalog # ALS10748**Specification**

PTGER2 / EP2 Antibody (Cytoplasmic Domain) - Product Information

Application	IHC
Primary Accession	P43116
Reactivity	Human, Monkey
Host	Rabbit
Clonality	Polyclonal
Calculated MW	40kDa KDa

PTGER2 / EP2 Antibody (Cytoplasmic Domain) - 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

Human EP2. BLAST analysis of the peptide immunogen showed no homology with other human proteins, except PTGER4 (50%).

Reconstitution & Storage

Long term: -70°C; Short term: +4°C

Precautions

PTGER2 / EP2 Antibody (Cytoplasmic Domain) is for research use only and not for use in diagnostic or therapeutic procedures.

PTGER2 / EP2 Antibody (Cytoplasmic Domain) - 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.

Volume

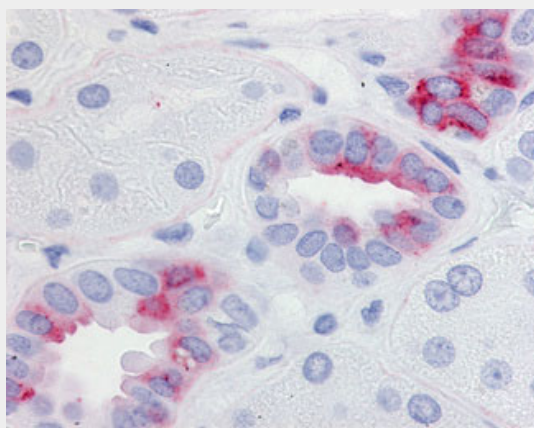
50 µl

PTGER2 / EP2 Antibody (Cytoplasmic Domain) - 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](#)

PTGER2 / EP2 Antibody (Cytoplasmic Domain) - Images



Anti-EP2 antibody ALS10748 IHC of human kidney.

PTGER2 / EP2 Antibody (Cytoplasmic Domain) - Background

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.

PTGER2 / EP2 Antibody (Cytoplasmic Domain) - References

Regan J.W., et al. Mol. Pharmacol. 46:213-220(1994).
Oakley C.J., et al. Submitted (JAN-1995) to the EMBL/GenBank/DDBJ databases.
Smock S.L., et al. Gene 237:393-402(1999).
Warren C.N., et al. Submitted (APR-2003) to the EMBL/GenBank/DDBJ databases.
Mural R.J., et al. Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.