

PTGER2 / EP2 Antibody (Extracellular Domain)
Rabbit Polyclonal Antibody
Catalog # ALS10225**Specification**

PTGER2 / EP2 Antibody (Extracellular Domain) - Product Information

Application	IHC-P
Primary Accession	P43116
Reactivity	Human, Monkey
Host	Rabbit
Clonality	Polyclonal
Calculated MW	40kDa KDa
Dilution	IHC-P~~N/A

PTGER2 / EP2 Antibody (Extracellular 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.

Reconstitution & Storage

Long term: -70°C; Short term: +4°C

Precautions

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

PTGER2 / EP2 Antibody (Extracellular 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.

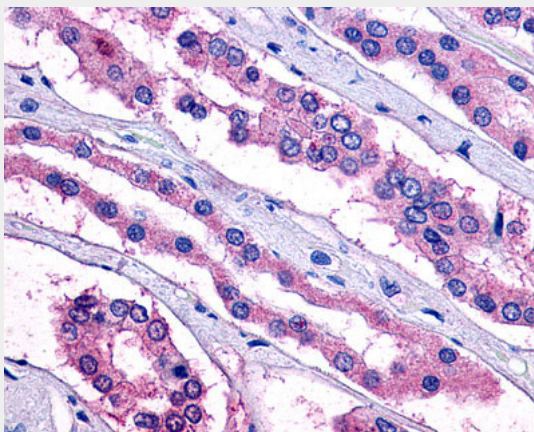
Volume
50 µl

PTGER2 / EP2 Antibody (Extracellular Domain) - Protocols

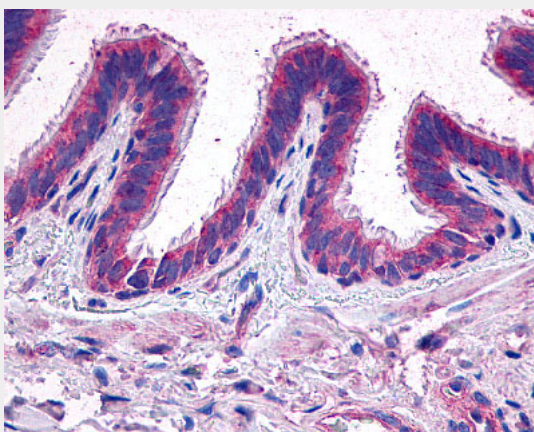
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PTGER2 / EP2 Antibody (Extracellular Domain) - Images



Anti-PTGER2 / EP2 antibody IHC of human kidney.



Anti-EP2 antibody ALS10225 IHC of human lung.

PTGER2 / EP2 Antibody (Extracellular 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 (Extracellular 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.