

EP1 receptor / PTGER1 Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF2501a**Specification**

EP1 receptor / PTGER1 Antibody (internal region) - Product Information

Application	IHC, E
Primary Accession	P34995
Other Accession	NP_000946.2 , 5731
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	41801

EP1 receptor / PTGER1 Antibody (internal region) - Additional Information**Gene ID** 5731**Other Names**

Prostaglandin E2 receptor EP1 subtype, PGE receptor EP1 subtype, PGE2 receptor EP1 subtype, Prostanoid EP1 receptor, PTGER1

Dilution

IHC~~1:100~500

E~~N/A

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

EP1 receptor / PTGER1 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

EP1 receptor / PTGER1 Antibody (internal region) - Protein Information**Name** PTGER1**Function**

Receptor for prostaglandin E2 (PGE2). The activity of this receptor is mediated by G(q) proteins which activate a phosphatidylinositol-calcium second messenger system. May play a role as an important modulator of renal function. Implicated the smooth muscle contractile response to PGE2

in various tissues.

Cellular Location

Cell membrane; Multi-pass membrane protein.

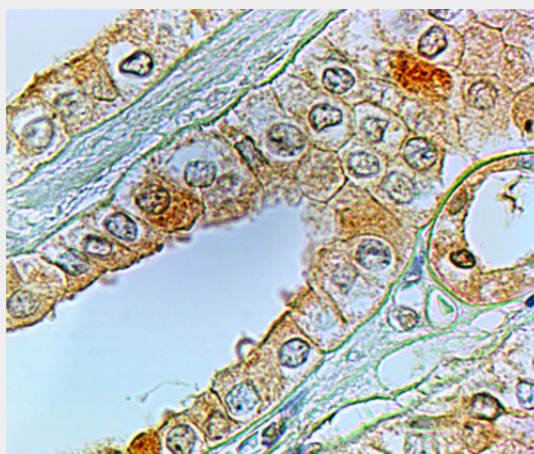
Tissue Location

Abundant in kidney. Lower level expression in lung, skeletal muscle and spleen, lowest expression in testis and not detected in liver brain and heart

EP1 receptor / PTGER1 Antibody (internal region) - 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](#)

EP1 receptor / PTGER1 Antibody (internal region) - Images

AF2501a (2 µg/ml) staining of paraffin embedded Human Kidney. Steamed antigen retrieval with citrate buffer pH 6, HRP-staining.

EP1 receptor / PTGER1 Antibody (internal region) - References

Cyclooxygenase-2-derived prostaglandin E2 promotes human cholangiocarcinoma cell growth and invasion through EP1 receptor-mediated activation of the epidermal growth factor receptor and Akt. Han C, Wu T. J Biol Chem. 2005 Jun 24;280(25):24053-63. Epub 2005 Apr 26. PMID: 15855163