

EP3 Polyclonal Antibody
Catalog # AP69751**Specification****EP3 Polyclonal Antibody - Product Information**

Application	WB, IF
Primary Accession	P43115
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal

EP3 Polyclonal Antibody - Additional Information**Gene ID** 5733**Other Names**

PTGER3; Prostaglandin E2 receptor EP3 subtype; PGE receptor EP3 subtype; PGE2 receptor EP3 subtype; PGE2-R; Prostanoid EP3 receptor

Dilution

WB~~Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.

IF~~1:50~200

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

EP3 Polyclonal Antibody - Protein Information**Name** PTGER3**Function**

Receptor for prostaglandin E2 (PGE2) (PubMed:7883006, PubMed:7981210, PubMed:8117308, PubMed:8135729, PubMed:8307176). The activity of this receptor can couple to both the inhibition of adenylate cyclase mediated by G(i) proteins, and to an elevation of intracellular calcium (PubMed:7883006, PubMed:7981210, PubMed:8117308, PubMed:8135729). Required for normal development of fever in response to pyrinogens, including IL1B, prostaglandin E2 and

bacterial lipopolysaccharide (LPS). Required for normal potentiation of platelet aggregation by prostaglandin E2, and thus plays a role in the regulation of blood coagulation. Required for increased HCO₃⁻ secretion in the duodenum in response to mucosal acidification, and thereby contributes to the protection of the mucosa against acid- induced ulceration. Not required for normal kidney function, normal urine volume and osmolality (By similarity).

Cellular Location

Cell membrane; Multi-pass membrane protein

Tissue Location

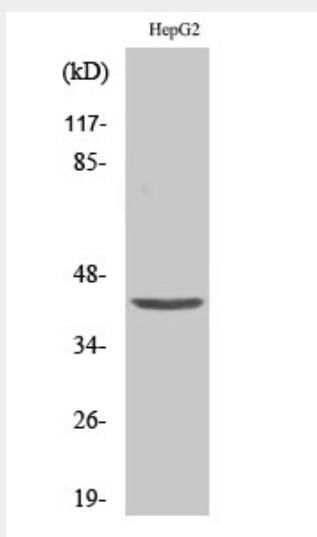
Detected in kidney (PubMed:8117308, PubMed:8135729). Expressed in small intestine, heart, pancreas, gastric fundic mucosa, mammary artery and pulmonary vessels

EP3 Polyclonal Antibody - 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](#)

EP3 Polyclonal Antibody - Images



EP3 Polyclonal Antibody - Background

Receptor for prostaglandin E2 (PGE2) (PubMed:8307176, PubMed:7883006, PubMed:8117308, PubMed:8135729, PubMed:7981210). The activity of this receptor can couple to both the inhibition of adenylate cyclase mediated by G(i) proteins, and to an elevation of intracellular calcium (PubMed:7883006, PubMed:8117308, PubMed:8135729, PubMed:7981210). Required for normal development of fever in response to pyrogens, including IL1B, prostaglandin E2 and bacterial

lipopolysaccharide (LPS). Required for normal potentiation of platelet aggregation by prostaglandin E2, and thus plays a role in the regulation of blood coagulation. Required for increased HCO₃(-) secretion in the duodenum in response to mucosal acidification, and thereby contributes to the protection of the mucosa against acid-induced ulceration. Not required for normal kidney function, normal urine volume and osmolality (By similarity).