

Anti-EP3 antibody



Description	Rabbit polyclonal to EP3.
Model	STJ92934
Host	Rabbit
Reactivity	Human
Applications	ELISA, IF, IHC, WB
Immunogen	Synthesized peptide derived from human EP3
Immunogen Region	10-90 aa, N-terminal
Gene ID	5733
Gene Symbol	PTGER3
Dilution range	WB 1:500-1:2000IHC 1:100-1:300IF 1:200-1:1000ELISA 1:20000
Specificity	EP3 Polyclonal Antibody detects endogenous levels of EP3 protein.
Tissue Specificity	Expressed in small intestine, heart, pancreas, gastric fundic mucosa, mammary artery and pulmonary vessels.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Prostaglandin E2 receptor EP3 subtype PGE receptor EP3 subtype PGE2 receptor EP3 subtype PGE2-R Prostanoid EP3 receptor
Molecular Weight	40 kDa
Clonality	Polyclonal

Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:9595OMIM:176806
Alternative Names	Prostaglandin E2 receptor EP3 subtype PGE receptor EP3 subtype PGE2 receptor EP3 subtype PGE2-R Prostanoid EP3 receptor
Function	Receptor for prostaglandin E2 (PGE2); the EP3 receptor may be involved in inhibition of gastric acid secretion, modulation of neurotransmitter release in central and peripheral neurons, inhibition of sodium and water reabsorption in kidney tubulus and contraction in uterine smooth muscle. 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. The various isoforms have identical ligand binding properties but can interact with different second messenger systems .
Cellular Localization	Cell membrane. Multi-pass membrane protein.