

Rabbit PTGER2 / EP2 Polyclonal Antibody | anti-PTGER2 antibody

Rabbit Polyclonal to Human PTGER2 / EP2

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA51074	Rabbit	Bat, Gibbon, Gorilla, Human, Monkey Predicted Reactivity: Bovine, Dog (at least 90% immunogen sequence identity)	Immunohistochemistry

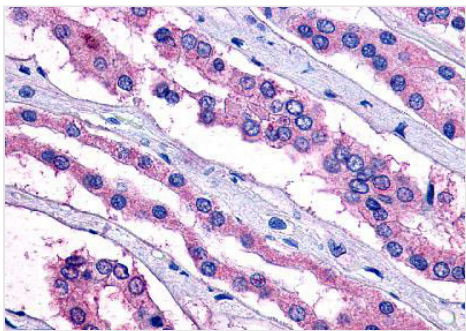
PRODUCT SYNONYMS

PTGER2 / EP2; Polyclonal Antibody; Rabbit Polyclonal to Human PTGER2 / EP2; Anti-PTGER2 / EP2 Antibody (Extracellular Domain) IHC-plus; PTGER2; EP2 prostaglandin e2 receptor; EP2 prostaglandin receptor; EP2; Pge2-r ep2; PGE2 receptor EP2 subtype; Prostaglandin E receptor 2; Prostanoid EP2 receptor; EP2 receptor; PGE receptor EP2 subtype; Human PTGER2; anti-PTGER2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Bat, Gibbon, Gorilla, Human, Monkey Predicted Reactivity: Bovine, Dog (at least 90% immunogen sequence identity)
Clonality	Polyclonal
Specificity	Human EP2. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Purity/Purification	Immunoaffinity Purified
Form/Format	PBS, 0.1% sodium azide.
Concentration	1 mg/ml (varies by lot)
Sequence Length	358
Applicable Applications for anti-PTGER2 antibody	IHC (Immunohistochemistry)
Target Species	Human
Immunogen Description	Synthetic 16 amino acid peptide from 3rd extracellular domain of human EP2. Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Marmoset, Bat (100%); Elephant, Bovine, Dog (94%); Rat, Panda, Pig (88%); Mouse (81%).
Immunogen Type	Synthetic peptide
Immunogen	PTGER2 / EP2 antibody was raised against synthetic 16 amino acid peptide from 3rd extracellular domain of human EP2. Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Marmoset, Bat (100%); Elephant, Bovine, Dog (94%); Rat, Panda, Pig (88%); Mouse (81%).
Antigen Modification	Extracellular Domain
Preparation and Storage	Long term: -70 degree C; Short term: +4 degree C

IMAGES



IHC (Immunohistochemistry)
Anti-PTGER2 / EP2 antibody IHC of human kidney. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



IHC (Immunohistochemistry)
Anti-EP2 antibody IHC of human lung. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

ADDITIONAL INFORMATION

Related Product Information for anti-PTGER2 antibody	Prostaglandin E Receptor EP2 is a member of the Prostanoid Receptor subfamily. Along with several other receptor subtypes (EP1, EP3, and EP4), it mediates the diverse biological effects of Prostaglandin E2 (PGE2). PGE2 has been implicated in numerous processes, including immune response modulation, male erectile function, induction of labor, cervical cancer, control of blood pressure, asthma, and more recently, Alzheimer's Disease.
Product Categories/Family for anti-PTGER2 antibody	Family: GPCR; Subfamily: Prostanoid

NCBI AND UNIPROT INFORMATION

NCBI GI #	31881630
NCBI GeneID	5732
NCBI Accession #	NP_000947.2
NCBI GenBank Nucleotide #	NM_000956.3
UniProt Accession #	P43116; Q52LG8; D3DSC0
Molecular Weight	39,761 Da
NCBI Official Full Name	prostaglandin E2 receptor EP2 subtype
NCBI Official Synonym Full Names	prostaglandin E receptor 2 (subtype EP2), 53kDa
NCBI Official Symbol	PTGER2
NCBI Official Synonym Symbols	EP2
NCBI Protein Information	prostaglandin E2 receptor EP2 subtype; prostanoid EP2 receptor; PGE receptor EP2 subtype; PGE2 receptor EP2 subtype; prostaglandin E receptor 2 (subtype EP2), 53kD
UniProt Protein Name	Prostaglandin E2 receptor EP2 subtype
UniProt Gene Name	PTGER2
UniProt Synonym Gene Names	PGE receptor EP2 subtype; PGE2 receptor EP2 subtype
UniProt Entry Name	PE2R2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.