

Rabbit PTGER4 Polyclonal Antibody | anti-PTGER4 antibody

PTGER4 Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286299	Rabbit	Human, mouse (Predicted Reactivity: Bovine, Rabbit, Rat)	Western Blot, Immunohistochemistry, ELISA

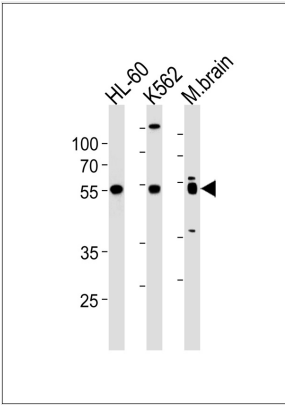
PRODUCT SYNONYMS

PTGER4; Polyclonal Antibody; PTGER4 Antibody (Center); Prostaglandin E2 receptor EP4 subtype; PGE receptor EP4 subtype; PGE2 receptor EP4 subtype; Prostanoid EP4 receptor; PTGER2; anti-PTGER4 antibody

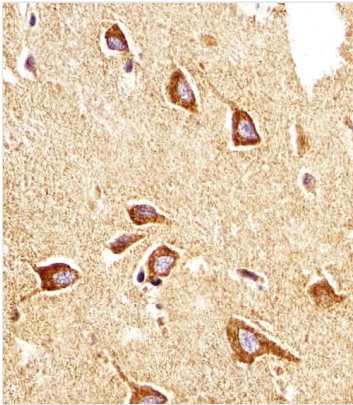
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Bovine, Rabbit, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PTGER4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 242-269 amino acids from the Central region of human PTGER4.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Sequence Positions	242-269
Sequence Length	488
Applicable Applications for anti-PTGER4 antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
Cellular Location	Cell membrane; Multi-pass membraneprotein.
Tissue Location	High in intestine and in peripheral bloodmononuclear cells; low in lung, kidney,thymus, uterus, vasculature and brain. Not found in liver, heart, retina oe skeletal muscle.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)
PTGER4 Antibody (Center) western blot analysis in HL-60,K562 cell line and mouse brain lysates (35ug/lane).This demonstrates the PTGER4 antibody detected the PTGER4 protein (arrow).



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded H. brain section using PTGER4 Antibody (Center). AAA286299 was diluted at 1:25 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.

ADDITIONAL INFORMATION

Related Product Information for anti-PTGER4 antibody	Receptor for prostaglandin E2 (PGE2). The activity of this receptor is mediated by G(s) proteins that stimulate adenylate cyclase. Has a relaxing effect on smooth muscle. May play an important role in regulating renal hemodynamics, intestinal epithelial transport, adrenal aldosterone secretion, and uterine function.
Product Categories/Family for anti-PTGER4 antibody	Crown Antibodies; Signal Transduction; GPCR Antibodies
References	Bastien L., et al. J. Biol. Chem. 269:11873-11877(1994). An S., et al. Biochem. Biophys. Res. Commun. 197:263-270(1993). Foord S.M., et al. Genomics 35:182-188(1996). Mori K., et al. J. Mol. Med. 74:333-336(1996). Kopatz S.A., et al. Submitted (OCT-2003) to the EMBL/GenBank/DDBJ databases.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506259
NCBI GeneID	5734
NCBI Accession #	NP_000949.1
NCBI GenBank Nucleotide #	NM_000958.2
UniProt Accession #	P35408; Q3MJ87
NCBI Official Full Name	prostaglandin E2 receptor EP4 subtype
NCBI Official Synonym Full Names	prostaglandin E receptor 4 (subtype EP4)
NCBI Official Symbol	PTGER4
NCBI Official Synonym Symbols	EP4; EP4R
NCBI Protein Information	prostaglandin E2 receptor EP4 subtype
UniProt Protein Name	Prostaglandin E2 receptor EP4 subtype
UniProt Gene Name	PTGER4
UniProt Synonym Gene Names	PTGER2; PGE receptor EP4 subtype; PGE2 receptor EP4 subtype
UniProt Entry Name	PE2R4_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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/ptger4-antibody-western-blot-immunohistochemistry-elisa/286299>