

Rabbit anti-Human, Rat PE2R1 Polyclonal Antibody | anti-PE2R1 antibody

PE2R1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322780	Rabbit	Human, Rat	ELISA, Immunohistochemistry, Western Blot

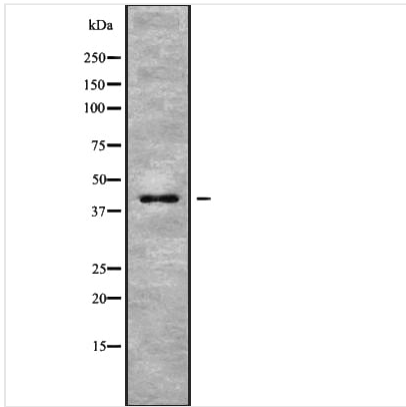
PRODUCT SYNONYMS

PE2R1; Polyclonal Antibody; PE2R1 Antibody; EP1; PGE receptor EP1 subtype; PGE2 receptor EP1 subtype; Prostaglandin E receptor 1 subtype EP1 42kDa; Prostaglandin E receptor 1 subtype EP1; Prostaglandin E2 receptor EP1 subtype; Prostanoid EP1 receptor; PTGER1; anti-PE2R1 antibody

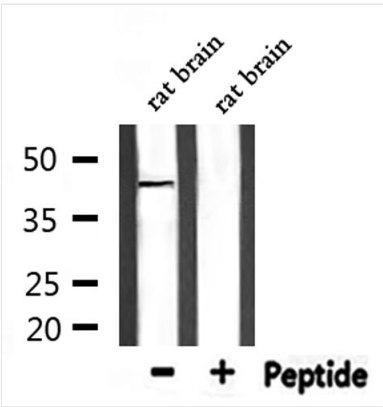
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	PE2R1 antibody detects endogenous levels of total PE2R1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	402
Applicable Applications for anti-PE2R1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human PE2R1
Subcellular Location	Cell Membrane; Multipass Membrane Protein.
Tissue Specificity	Abundant in kidney. Lower level expression in lung, skeletal muscle and spleen, lowest expression in testis and not detected in liver brain and heart.
Predicted Cross Reactivity	Pig, Bovine, Dog
Similarity	Pig (100%), Bovine (100%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

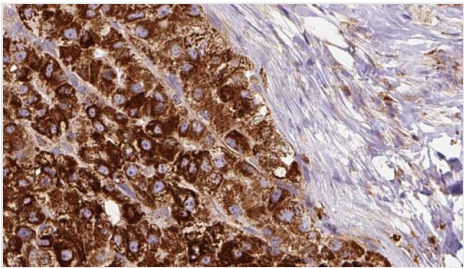
IMAGES



WB (Western Blot)
Western blot analysis of PE2R1 using HUVEC whole cell lysates



WB (Western Blot)
Western blot analysis of extracts from rat brain, using PE2R1 Antibody.



IHC (Immunohistochemistry)
AAA322780 at 1/100 staining Human liver cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-PE2R1 antibody

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.
Post-translational Modifications: Phosphorylated.
Similarity: Belongs to the G-protein coupled receptor 1 family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	38505194
NCBI GeneID	5731
NCBI Accession #	NP_000946.2
NCBI GenBank Nucleotide #	NM_000955.2
UniProt Accession #	P34995; Q5U5U4; Q86UH3; Q86VB5; Q8NHB2
Molecular Weight	Observed: 42 kDa Predicted: 42 kDa
NCBI Official Full Name	prostaglandin E2 receptor EP1 subtype
NCBI Official Synonym Full Names	prostaglandin E receptor 1
NCBI Official Symbol	PTGER1
NCBI Official Synonym Symbols	EP1

NCBI Protein Information	prostaglandin E2 receptor EP1 subtype
UniProt Protein Name	Prostaglandin E2 receptor EP1 subtype
UniProt Gene Name	PTGER1
UniProt Synonym Gene Names	PGE receptor EP1 subtype; PGE2 receptor EP1 subtype

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/pe2r1-antibody-immunohistochemistry-western-blot-elisa/322780>