

Rabbit PTGDS Polyclonal Antibody | anti-PTGDS antibody

PTGDS antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA199874	Rabbit	Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat	Western Blot, Immunohistochemistry

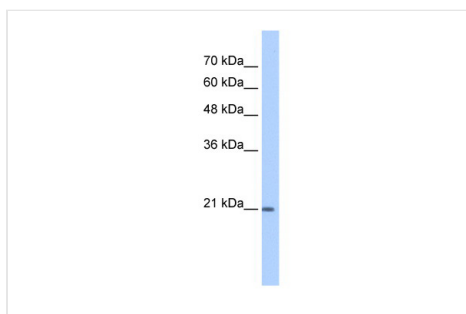
PRODUCT SYNONYMS

PTGDS; Polyclonal Antibody; PTGDS antibody - N-terminal region; anti-PTGDS antibody

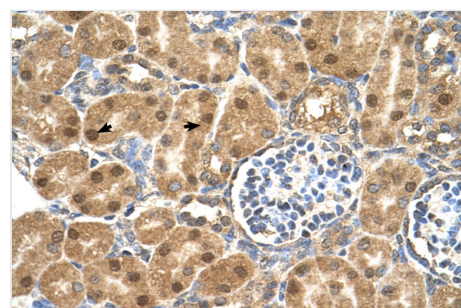
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: MA THHTLWMGLA LLGVLGDLQA APEAQVSVQP NFQQDKFLGR WFSAGLAS
Sequence Length	190
Applicable Applications for anti-PTGDS antibody	WB (Western Blot), IHC (Immunohistochemistry)
Homology	Dog: 86%; Guinea Pig: 79%; Horse: 79%; Human: 100%; Mouse: 100%; Rabbit: 80%; Rat: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human PTGDS
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES


WB (Western Blot)

WB Suggested Anti-PTGDS Antibody Titration: 1 ug/ml Positive Control: HepG2 cell lysate


IHC (Immunohistochemistry)

Human kidney

ADDITIONAL INFORMATION

Related Product Information for anti-PTGDS antibody	This is a rabbit polyclonal antibody against PTGDS. It was validated on Western Blot and immunohistochemistry Target Description: PTGDS is a glutathione-independent prostaglandin D synthase that catalyzes the conversion of prostaglandin H2 (PGH2) to postaglandin D2 (PGD2). PGD2 functions as a neuromodulator as well as a trophic factor in the central nervous system. PGD2 is also involved in smooth muscle contraction/relaxation and is a potent inhibitor of platelet aggregation.The protein encoded by this gene is a glutathione-independent prostaglandin D synthase that catalyzes the conversion of prostaglandin H2 (PGH2) to postaglandin D2 (PGD2). PGD2 functions as a neuromodulator as well as a trophic factor in the central nervous system. PGD2 is also involved in smooth muscle contraction/relaxation and is a potent inhibitor of platelet aggregation. This gene is preferentially expressed in brain. Studies with transgenic mice overexpressing this gene suggest that this gene may be also involved in the regulation of non-rapid eye movement sleep. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.
Product Categories/Family for anti-PTGDS antibody	Polyclonal; Signal Proteins; Lymphocyte Signaling; Membrane Protein; Developmental Biology; Immunohistochemistry; Receptors

NCBI AND UNIPROT INFORMATION

NCBI GI #	32171249
NCBI GeneID	5730
NCBI Accession #	NP_000945
NCBI GenBank Nucleotide #	NM_000954
UniProt Accession #	P41222
Molecular Weight	21kDa
NCBI Official Full Name	prostaglandin-H2 D-isomerase
NCBI Official Synonym Full Names	prostaglandin D2 synthase
NCBI Official Symbol	PTGDS
NCBI Official Synonym Symbols	PDS; PGD2; PGDS; LPGDS; PGDS2; L-PGDS
NCBI Protein Information	prostaglandin-H2 D-isomerase
UniProt Protein Name	Prostaglandin-H2 D-isomerase
UniProt Gene Name	PTGDS
UniProt Synonym Gene Names	PDS; PGD2 synthase; PGDS; PGDS2
UniProt Entry Name	PTGDS_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/ptgds-antibody-western-blot-immunohistochemistry-elisa/199874>