

Rabbit anti-Human PTGDS Polyclonal Antibody | anti-PTGDS antibody

PTGDS Antibody

CATALOG # AAA307774	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot, ELISA
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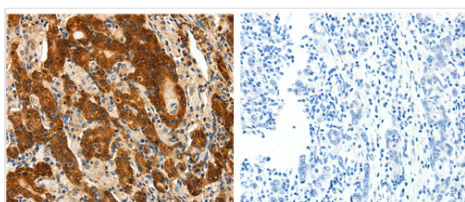
PRODUCT SYNONYMS

PTGDS; Polyclonal Antibody; PTGDS Antibody; prostaglandin D2 synthase 21kDa (brain); PDS; PGD2; PGDS; LPGDS; PGDS2; L-PGDS; anti-PTGDS antibody

PRODUCT SPECIFICATIONS

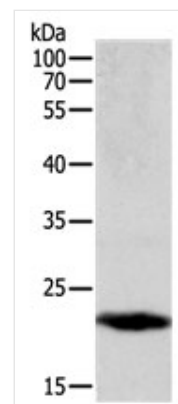
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	The antibody detects endogenous level of total PTGDS protein.
Form/Format	Supplied at 0.5mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.3, 0.05% sodium azide and 50% glycerol.
Sequence Length	775
Applicable Applications for anti-PTGDS antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen Type	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 64-325 amino acids of human prostaglandin D2 synthase 21kDa (brain)prostaglandin D2 synthase 21kDa (brain)
Target Name	PTGDS
Preparation and Storage	Store at -20 degree C/1 year

IMAGES



IHC (Immunohistochemistry)

The image on the left is immunohistochemistry of paraffin-embedded human gastric cancer tissue using 31107(PTGDS Antibody) at dilution 1/15, on the right is treated with the fusion protein.



Application Data

Gel: 12%SDS-PAGE Lysate: 50 ug SKOV3 cell lysate Primary antibody: 1/100dilution
Secondary antibody: Goat anti Rabbit IgG - H&L (HRP) at 1/10000 dilution Exposure time: 5 seconds

ADDITIONAL INFORMATION

Related Product Information for anti-PTGDS antibody	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.
Product Categories/Family for anti-PTGDS antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	13543567
NCBI GeneID	5730
Molecular Weight	21,029 Da
NCBI Official Full Name	Homo sapiens prostaglandin D2 synthase 21kDa (brain), mRNA
NCBI Official Synonym Full Names	prostaglandin D2 synthase 21kDa (brain)
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://stage.aaabiotech.com/polyclonal/ptgds-antibody-immunohistochemistry-western-blot-elisa/307774>