

Rabbit PDE5A Polyclonal Antibody | anti-PDE5A antibody

PDE5A Antibody

CATALOG # AAA327920	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Western Blot
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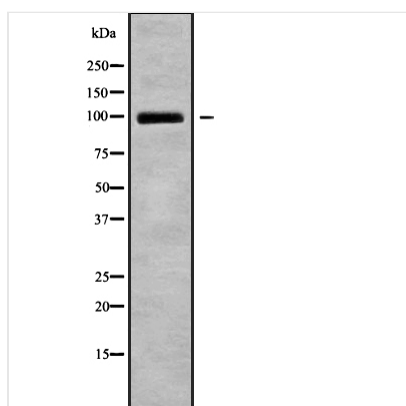
PRODUCT SYNONYMS

PDE5A; Polyclonal Antibody; PDE5A Antibody; 5"-cyclic phosphodiesterase; CGB PDE; CGB-PDE; CGBPDE; cGMP binding cGMP specific 3' 5' cyclic nucleotide phosphodiesterase; cGMP binding cGMP specific 35 cyclic nucleotide phosphodiesterase; cGMP binding cGMP specific phosphodiesterase; cGMP binding/cGMP specific phosphodiesterase; cGMP specific 3'5' cyclic phosphodiesterase; cGMP specific phosphodiesterase PDE5A2; cGMP specific phosphodiesterase type 5A; cGMP-binding cGMP-specific phosphodiesterase; cGMP-specific 3"; CN5A; CN5N; PDE 5; PDE 5A; PDE5; Pde5a; PDE5A_HUMAN; PDE5A1; Phosphodiesterase 5A; Phosphodiesterase 5A cGMP specific; Phosphodiesterase isozyme 5; anti-PDE5A antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	PDE5A antibody detects endogenous levels of total PDE5A
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	875
Applicable Applications for anti-PDE5A antibody	ELISA, WB (Western Blot)
Immunogen	A synthesized peptide derived from human PDE5A, corresponding to a region within C-terminal amino acids.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of PDE5A using HuvEc whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-PDE5A antibody	Function: Plays a role in signal transduction by regulating the intracellular concentration of cyclic nucleotides. This phosphodiesterase catalyzes the specific hydrolysis of cGMP to 5'-GMP (PubMed:9714779, PubMed:15489334). Specifically regulates nitric-oxide-generated cGMP (PubMed:15489334). Post-translational Modifications: Phosphorylation is regulated by binding of cGMP to the two allosteric sites (By similarity). Phosphorylation by PRKG1 leads to its activation. Similarity: Composed of a C-terminal catalytic domain containing two putative divalent metal sites and an N-terminal regulatory domain which contains two homologous allosteric cGMP-binding regions, A and B. Belongs to the cyclic nucleotide phosphodiesterase family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	61744435
NCBI GeneID	8654
NCBI Accession #	NP_001074.2
NCBI GenBank Nucleotide #	NM_001083.3
UniProt Accession #	O76074; O75026; O75887; Q86UI0; Q86V66; Q9Y6Z6; A0AV69; A8K2C4
Molecular Weight	100kDa
NCBI Official Full Name	cGMP-specific 3',5'-cyclic phosphodiesterase isoform 1
NCBI Official Synonym Full Names	phosphodiesterase 5A
NCBI Official Symbol	PDE5A
NCBI Official Synonym Symbols	CN5A; PDE5; CGB-PDE
NCBI Protein Information	cGMP-specific 3',5'-cyclic phosphodiesterase
UniProt Protein Name	cGMP-specific 3',5'-cyclic phosphodiesterase
UniProt Gene Name	PDE5A
UniProt Synonym Gene Names	PDE5; CGB-PDE

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.