

Rabbit PDE5A Polyclonal Antibody | anti-PDE5A antibody

PDE5A Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA75647	Rabbit	Human, Mouse, Pig, Rat	Western Blot, Immunoprecipitation, Immunohistochemistry, Immunofluorescence, Immunocytochemistry, ELISA

PRODUCT SYNONYMS

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

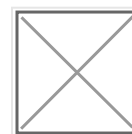
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Pig, Rat
Clonality	Polyclonal
Specificity	This antibody detects 99 and 89 kDa PDE5A proteins in various tissues. This antibody does not cross-react with other PDE family members.
Form/Format	Affinity Purified
Concentration	0.55-0.60 ug/ul in antibody stabilization buffer (varies by lot)
Sequence Length	875
Applicable Applications for anti-PDE5A antibody	WB (Western Blot), IP (Immunoprecipitation), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry), ELISA, CM (Confocal Microscopy)
Immunogen	Synthetic peptide common to all PDE5A variants taken within amino acid region 120-170 on human PDE5A protein.
Expression	Expressed in aortic smooth muscle cells, heart, placenta, skeletal muscle and pancreas and, to a much lesser extent, in brain, liver and lung.
Molecular Function	Hydrolase, 3', 5'-cyclic-GMP phosphodiesterase activity, cGMP binding
Subcellular Location	Cytosol
Preparation and Storage	-20• degree C for long term storage

IMAGES



Application Data



WB (Western Blot)

ADDITIONAL INFORMATION

Related Product Information for anti-PDE5A antibody	Affinity Purified cGMP-specific 3', 5'-cyclic phosphodiesterase isoform 1 Antibody 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	317373261
NCBI GeneID	8654
UniProt Accession #	O76074; O75026; O75887; Q86UI0; Q86V66; Q9Y6Z6; A0AV69; A8K2C4
Molecular Weight	94,805 Da
NCBI Official Full Name	cGMP-specific 3',5'-cyclic phosphodiesterase
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
UniProt Entry Name	PDE5A_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/pde5a-antibody-western-blot-immunoprecipitation-immunohistochemistry-immunofluorescence-immunocytochemistry-confocal-microscopy-elisa/75647>