

Rabbit PDE2A Polyclonal Antibody | anti-PDE2A antibody

PDE2A Antibody

CATALOG # AAA327918	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Western Blot
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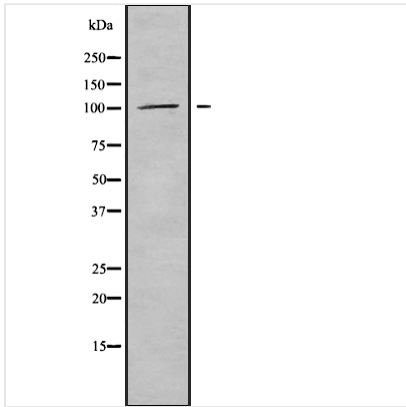
PRODUCT SYNONYMS

PDE2A; Polyclonal Antibody; PDE2A Antibody; 5"-cyclic phosphodiesterase; cGMP dependent 3'5' cyclic phosphodiesterase; cGMP stimulated phosphodiesterase 1; cGMP stimulated phosphodiesterase 4; cGMP-dependent 3"; cGMP-stimulated phosphodiesterase 2; CGS PDE; CGS-PDE; cGSPDE; Cyclic GMP stimulated phosphodiesterase; Cyclic GMP-stimulated phosphodiesterase; Human cGMP stimulated 3'5' cyclic nucleotide phosphodiesterase; PDE 2A; PDE 2A1; PDE 2A4; PDE2A_HUMAN; PDE2A1; PDE2A4; phosphodiesterase 2A; Phosphodiesterase 2A cGMP stimulated; anti-PDE2A antibody

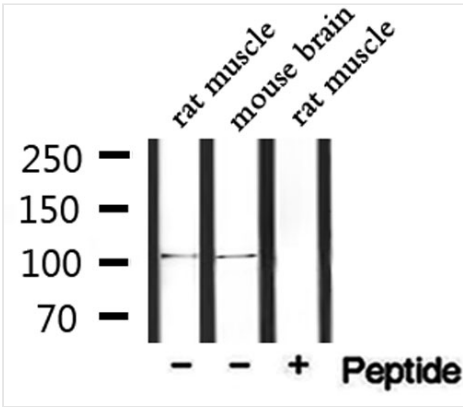
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	PDE2A antibody detects endogenous levels of total PDE2A
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	934
Applicable Applications for anti-PDE2A antibody	ELISA, WB (Western Blot)
Immunogen	A synthesized peptide derived from human PDE2A
Subcellular Location	Membrane.
Tissue Specificity	Expressed in brain and to a lesser extent in heart, placenta, lung, skeletal muscle, kidney and pancreas.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (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 PDE2A using LOVO whole cell lysates



WB (Western Blot)
Western blot analysis of extracts from rat muscle and mouse brain, using PDE2A Antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-PDE2A antibody	Function: Cyclic nucleotide phosphodiesterase with a dual-specificity for the second messengers cAMP and cGMP, which are key regulators of many important physiological processes. Plays an important role in growth and invasion of malignant melanoma cells (e.g. pseudomyxoma peritonei (PMP) cell line) (PubMed:24705027). Subunit Structure: Homodimer. Similarity: GAF 1 functions as a dimerization domain, whereas GAF 2 binds cGMP, which causes activation of the catalytic activity of the enzyme. Belongs to the cyclic nucleotide phosphodiesterase family. PDE2 subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	219802706
NCBI GeneID	5138
NCBI Accession #	NP_001137311.1
NCBI GenBank Nucleotide #	NM_001143839.3
UniProt Accession #	O00408; Q5J791; Q5J792; Q5J793; Q6ZMR1; B2R646; B3KRV5; E9PGI1; F6W5Z0
Molecular Weight	Observed: 106 kDa Predicted: 106 kDa
NCBI Official Full Name	cGMP-dependent 3',5'-cyclic phosphodiesterase isoform PDE2A2
NCBI Official Synonym Full Names	phosphodiesterase 2A
NCBI Official Symbol	PDE2A
NCBI Official Synonym Symbols	PDE2A1; PED2A4; cGSPDE; CGS-PDE
NCBI Protein Information	cGMP-dependent 3',5'-cyclic phosphodiesterase
UniProt Protein Name	cGMP-dependent 3',5'-cyclic phosphodiesterase
UniProt Gene Name	PDE2A
UniProt Synonym Gene Names	CGS-PDE; cGSPDE

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.