

Rabbit PDE2A Polyclonal Antibody | anti-PDE2A antibody

PDE2A Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA75644	Rabbit	Bovine, Human, Mouse, Rat	Western Blot, Immunoprecipitation, Immunohistochemistry, Immunofluorescence, Immunocytochemistry, ELISA

PRODUCT SYNONYMS

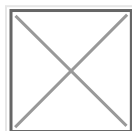
PDE2A; Polyclonal Antibody; PDE2A Antibody; 5"-cyclic phosphodiesterase; cGMP dependent 3'5' cyclic phosphodiesterase; cGMP stimulated phosphodiesterase 1; cGMP stimulated phosphodiesterase 4; cGMP-dependent 3"; CGS PDE; Cyclic GMP stimulated phosphodiesterase; PDE 2A; PDE 2A1; PDE 2A4; Phosphodiesterase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

PRODUCT SPECIFICATIONS

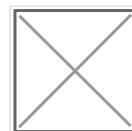
Host	Rabbit
Reactivity	Bovine, Human, Mouse, Rat
Clonality	Polyclonal
Specificity	This antibody will label PDE2A1, PDE2A2, PDE2A3 and PDE2A4 variants.
Form/Format	Affinity Purified
Concentration	0.7 ug/ul in antibody stabilization buffer (varies by lot)
Sequence Length	941
Applicable Applications for anti-PDE2A antibody	WB (Western Blot), IP (Immunoprecipitation), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry), ELISA, CM (Confocal Microscopy)
Immunogen	Synthetic peptide corresponding to unique C-terminal amino acid sequence on PDE2A gene.
Expression	bundant in adipose tissues.
Determinant	C-epitope
Molecular Function	Hydrolase, cAMP, cGMP, Metal-binding, Angiogenesis
Structure	Interacts with PIK3CG. Interacts with RAPGEF3 and PIK3R6.
Subcellular Location	Multi-pass membrane protein
Preparation and Storage	-20• degree C for long term storage

IMAGES

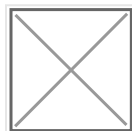
IF (Immunofluorescence)



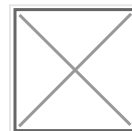
IF (Immunofluorescence)



IHC (Immunohistchemistry)



WB (Western Blot)



ADDITIONAL INFORMATION

Related Product Information for anti-PDE2A antibody	Affinity Purified Phosphodiesterase 2A, cGMP-stimulated Antibody C-epitope Cyclic nucleotide phosphodiesterase with a dual-specificity for the second messengers cAMP and cGMP, which are key regulators of many important physiological processes. May play a role in fat metabolism. Regulates cAMP binding of RAPGEF3. Through simultaneous binding to RAPGEF3 and PIK3R6 assembles a signaling complex in which the PI3K gamma complex is activated by RAPGEF3 and which is involved in angiogenesis.
Product Categories/Family for anti-PDE2A antibody	Primary Antibodies; Signal Transduction; Second Messengers; cAMP; PDE2A Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	119595267
NCBI GeneID	5138
Molecular Weight	87,235 Da
NCBI Official Full Name	phosphodiesterase 2A, cGMP-stimulated, isoform CRA_a
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
UniProt Entry Name	PDE2A_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/pde2a-antibody-western-blot-immunoprecipitation-immunohistochemistry-immunofluorescence-immunocytochemistry-confocal-microscopy-elisa/75644>