

Rabbit PDE2A1 Polyclonal Antibody | anti-PDE2A1 antibody

PDE2A1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA75997	Rabbit	Human, Monkey, Mouse, Rat	Western Blot, Immunoprecipitation, Immunohistochemistry, ELISA

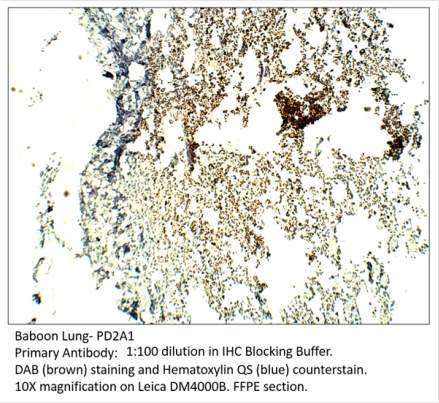
PRODUCT SYNONYMS

PDE2A1; Polyclonal Antibody; PDE2A1 Antibody; Phosphodiesterase 2A 1; anti-PDE2A1 antibody

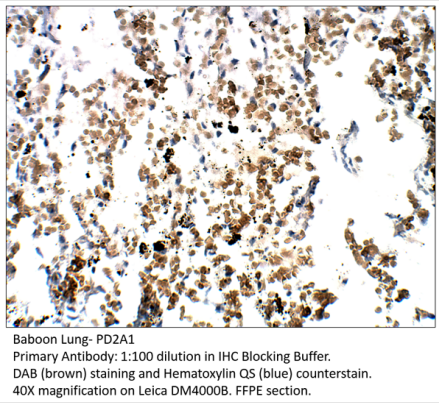
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Monkey, Mouse, Rat
Clonality	Polyclonal
Form/Format	Affinity Purified
Concentration	0.5 ug/ul in antibody stabilization buffer (varies by lot)
Sequence Length	920
Applicable Applications for anti-PDE2A1 antibody	WB (Western Blot), IP (Immunoprecipitation), IHC (Immunohistochemistry), ELISA
Immunogen	Synthetic peptide corresponding to region within amino acids 1-50 on N-terminus of human PDE2A1 protein.
Immunoglobulin	IgG
Expression	Expressed in brain and to a lesser extent in heart, placenta, lung, skeletal muscle, kidney and pancreas.
Determinant	N-epitope
Molecular Function	Calcium channel activity, cAMP binding, cGMP binding, cGMP-stimulated cyclic-nucleotide phosphodiesterase activity; drug binding; metal ion binding; protein homodimerization activity; TPR domain binding.
Structure	Belongs to the cyclic nucleotide phosphodiesterase family. PDE2 subfamily. Contains 2 GAF domains.
Subcellular Location	Cytoplasm
Preparation and Storage	-20• degree C for long term storage

IMAGES



IHC (Immunohistochemistry)



IHC (Immunohistochemistry)

ADDITIONAL INFORMATION

Related Product Information for anti-PDE2A1 antibody	Affinity Purified Phosphodiesterase 2A1 Antibody N-epitope Cyclic nucleotide phosphodiesterase with a dual-specificity for the second messengers cAMP and cGMP, which are key regulators of many important physiological processes. Isoform PDE2A2: Regulates Mitochondrial cAMP Levels and Respiration.
Product Categories/Family for anti-PDE2A1 antibody	Primary Antibodies; Signal Transduction; Phosphodiesterases; PDE2A1 Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	344925852
NCBI GeneID	5138
NCBI Accession #	NP_001230713.1
NCBI GenBank Nucleotide #	NM_001243784.1
UniProt Accession #	O00408; Q5J791; Q5J792; Q5J793; Q6ZMR1; B2R646; B3KRV5; E9PGI1; F6W5Z0
Molecular Weight	87,235 Da
NCBI Official Full Name	cGMP-dependent 3',5'-cyclic phosphodiesterase isoform PDE2A1
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.