

Anti-PDE2A antibody



Description	Unconjugated Rabbit polyclonal to PDE2A
Model	STJ190686
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, WB
Gene ID	5138
Gene Symbol	PDE2A
Dilution range	WB 1:500-2000 ELISA 1:5000-20000
Specificity	PDE2A Polyclonal Antibody detects endogenous levels of protein.
Tissue Specificity	Expressed in brain and to a lesser extent in heart, placenta, lung, skeletal muscle, kidney and pancreas.
Purification	PDE2A antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	cGMP-dependent 3',5'-cyclic phosphodiesterase Cyclic GMP-stimulated phosphodiesterase CGS-PDE cGSPDE
Molecular Weight	103 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG

Formulation	Liquid form in PBS containing 50% glycerol, and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:8777OMIM:602658
Alternative Names	cGMP-dependent 3',5'-cyclic phosphodiesterase Cyclic GMP-stimulated phosphodiesterase CGS-PDE cGSPDE
Function	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.
Sequence and Domain Family	GAF 1 functions as a dimerization domain, whereas GAF 2 binds cGMP, which causes activation of the catalytic activity of the enzyme.
Cellular Localization	Isoform PDE2A3: Cell membrane Isoform PDE2A2: Mitochondrion matrix Isoform PDE2A1: Cytoplasm Isoform 5: Mitochondrion

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