

产品名称: PDE10A Rabbit Polyclonal Antibody
产品货号: APRab15883



产品概述 (Summary)

产品名称 (Production Name)	PDE10A Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ELISA
种属反应性 (Reactivity)	Human,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	PDE10A
别名 (Alternative Names)	PDE10A; cAMP and cAMP-inhibited cGMP 3'; 5'-cyclic phosphodiesterase 10A
基因 ID (Gene ID)	10846.0
蛋白 ID (SwissProt ID)	Q9Y233.The antiserum was produced against synthesized peptide derived from human PDE10A. AA range:21-70

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:50-1:300,ELISA 1:2000-1:20000
蛋白分子量 (Molecular Weight)	75kDa

研究背景 (Background)

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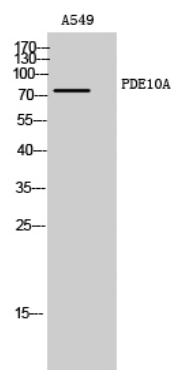


The protein encoded by this gene belongs to the cyclic nucleotide phosphodiesterase family. It plays a role in signal transduction by regulating the intracellular concentration of cyclic nucleotides. This protein can hydrolyze both cAMP and cGMP to the corresponding nucleoside 5' monophosphate, but has higher affinity for cAMP, and is more efficient with cAMP as substrate. Alternatively spliced transcript variants have been described for this gene. [provided by RefSeq, Dec 2011], alternative products: Isoforms differ in their N-terminal region, catalytic activity: Guanosine 3',5'-cyclic phosphate + H₂O = guanosine 5'-phosphate, catalytic activity: Nucleoside 3',5'-cyclic phosphate + H₂O = nucleoside 5'-phosphate, cofactor: Binds 1 magnesium ion, cofactor: Binds 1 zinc ion, domain: Composed of a C-terminal catalytic domain containing two divalent metal sites and an N-terminal regulatory domain which contains one cyclic nucleotide-binding region, domain: The tandem GAF domains bind cAMP, and regulate enzyme activity. The binding of cAMP stimulates enzyme activity, enzyme regulation: Inhibited by dipyrindamole and moderately by IBMX. cAMP acts as an allosteric activator, function: Plays a role in signal transduction by regulating the intracellular concentration of cyclic nucleotides. Can hydrolyze both cAMP and cGMP, but has higher affinity for cAMP and is more efficient with cAMP as substrate, pathway: Purine metabolism; cAMP degradation; AMP from cAMP: step 1/1, pathway: Purine metabolism; cGMP degradation; GMP from cGMP: step 1/1, similarity: Belongs to the cyclic nucleotide phosphodiesterase family, similarity: Contains 2 GAF domains, subcellular location: Located mostly to soluble cellular fractions, subunit: Homodimer, tissue specificity: Abundant in the putamen and caudate nucleus regions of brain and testis, moderately expressed in the thyroid gland, pituitary gland, thalamus and cerebellum,

研究领域 (Research Area)

Purine metabolism;

图片 (Image Data)



Western Blot analysis of A549 cells using PDE10A Polyclonal Antibody

注意事项 (Note)

For research use only .