Best Tools for immunology Research

A Cyclase VII Polyclonal Antibody

Catalog No :	YT0034
Reactivity :	Human;Mouse
Applications :	IHC;IF;ELISA
Target :	A Cyclase VII
Fields :	>>Purine metabolism;>>Metabolic pathways;>>Endocrine resistance;>>Rap1 signaling pathway;>>Calcium signaling pathway;>>cGMP-PKG signaling pathway;>>cAMP signaling pathway;>>Chemokine signaling pathway;>>Phospholipase D signaling pathway;>>Oocyte meiosis;>>Longevity regulating pathway;>>Longevity regulating pathway - multiple species;>>Adrenergic signaling in cardiomyocytes;>>Vascular smooth muscle contraction;>>Apelin signaling pathway;>>Gap junction;>>Platelet activation;>>Circadian entrainment;>>Thermogenesis;>>Retrograde endocannabinoid signaling;>>Glutamatergic synapse;>>Cholinergic synapse;>>GABAergic synapse;>>Inflammatory mediator regulation of TRP channels;>>Insulin secretion;>>GnRH signaling pathway;>>Ovarian steroidogenesis;>>Progesterone-mediated oocyte maturation;>>Estrogen signaling pathway;>>Melanogenesis;>>Thyroid hormone synthesis;>>Oxytocin signaling pathway;>>Regulation of lipolysis in adipocytes;>>Aldosterone synthesis and secretion;>>Relaxin signaling pathway;>>Cort
Gene Name :	ADCY7
Protein Name :	Adenylate cyclase type 7
Human Gene Id :	113
Human Swiss Prot No :	P51828
Mouse Gene Id :	11513
Mouse Swiss Prot No :	P51829
Immunogen :	The antiserum was produced against synthesized peptide derived from human ADCY7. AA range:191-240
Specificity :	A Cyclase VII Polyclonal Antibody detects endogenous levels of A Cyclase VII

protein.

Formulation : Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source : Polyclonal, Rabbit,IgG

Dilution : IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:5000. Not yet tested in other applications.

Purification : The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Concentration : 1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight : 120kD

Cell Pathway : Purine metabolism;Calcium;Chemokine;Oocyte meiosis;Vascular smooth muscle contraction;Gap junction;GnRH;Progesterone-mediated oocyte maturation;Melanogenesis;Dilated cardiomyopathy;

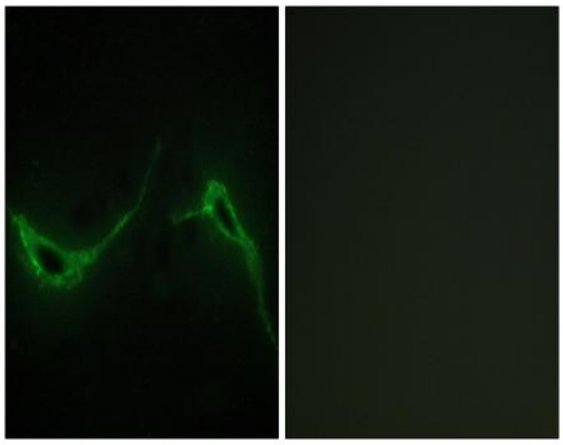
Background : This gene encodes a membrane-bound adenylate cyclase that catalyses the formation of cyclic AMP from ATP and is inhibitable by calcium. The product of this gene is a member of the adenylyl cyclase class-4/guanylyl cyclase enzyme family that is characterized by the presence of twelve membrane-spanning domains in its sequences. Several transcript variants have been observed for this gene, but the full-length natures of only two have been determined so far. [provided by RefSeq, Oct 2013],

Function : catalytic activity:ATP = 3',5'-cyclic AMP + diphosphate.,cofactor:Binds 2 magnesium ions per subunit.,function:This is a membrane-bound, calcium-inhibitable adenylyl cyclase.,similarity:Belongs to the adenylyl cyclase class-4/guanylyl cyclase family.,similarity:Contains 2 guanylate cyclase domains.,

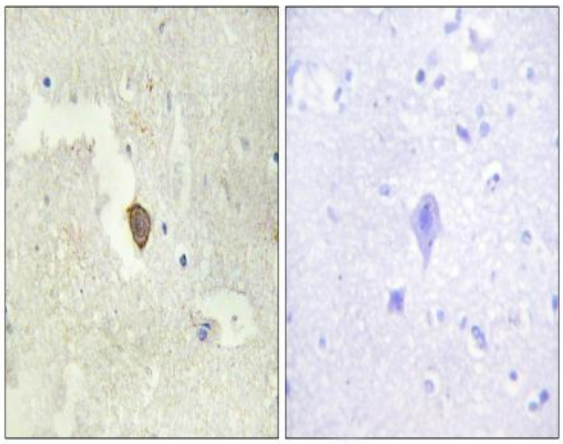
Subcellular Location : Membrane; Multi-pass membrane protein.

Expression : Blood,Bone marrow,

Products Images



Immunofluorescence analysis of NIH/3T3 cells, using ADCY7 Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using ADCY7 Antibody. The picture on the right is blocked with the synthesized peptide.