



A Cyclase VII Polyclonal Antibody

Catalog No	YP-Ab-03676
Isotype	IgG
Reactivity	Human;Mouse
Applications	IHC;IF;ELISA
Gene Name	ADCY7
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
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	A Cyclase VII;ADCY7;Adenylate cyclase type 7;KIAA0037;ATP pyrophosphatase 7;Adenylate cyclase type VII;Adenylyl cyclase 7
Observed Band	
Calculated Molecular Weight	
Cell Pathway	Membrane; Multi-pass membrane protein.
Tissue Specificity	Blood,Bone marrow,
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.,
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 nature of only two have been determined so far. [provided by RefSeq, Oct 2013],

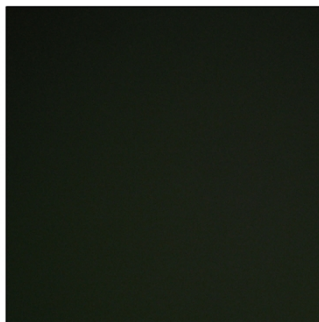
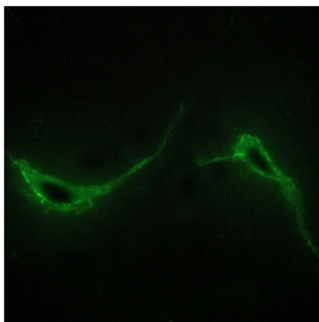
matters needing attention

Avoid repeated freezing and thawing!

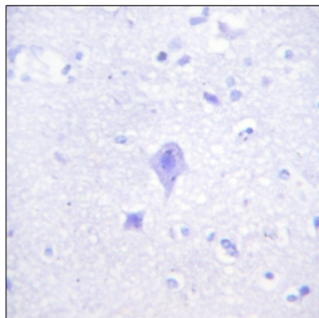
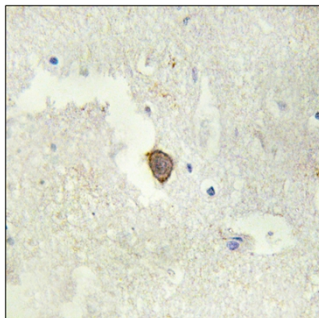
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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.