

Anti-A Cyclase VII antibody



Description	Rabbit polyclonal to A Cyclase VII.
Model	STJ91399
Host	Rabbit
Reactivity	Human, Mouse
Applications	ELISA, IF, IHC
Immunogen	Synthesized peptide derived from human A Cyclase VII
Immunogen Region	160-240 aa, Internal
Gene ID	113
Gene Symbol	ADCY7
Dilution range	IHC 1:100-1:300IF 1:200-1:1000ELISA 1:5000
Specificity	A Cyclase VII Polyclonal Antibody detects endogenous levels of A Cyclase VII protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Adenylate cyclase type 7 ATP pyrophosphate-lyase 7 Adenylate cyclase type VII Adenyl cyclase 7
Molecular Weight	120.308 kDa
Clonality	Polyclonal
Conjugation	Unconjugated

Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:238OMIM:600385
Alternative Names	Adenylate cyclase type 7 ATP pyrophosphate-lyase 7 Adenylate cyclase type VII Adenylyl cyclase 7
Function	This is a membrane-bound, calcium-inhibitable adenylyl cyclase.
Sequence and Domain Family	The protein contains two modules with six transmembrane helices each; both are required for catalytic activity. Isolated N-terminal or C-terminal guanylate cyclase domains have no catalytic activity, but when they are brought together, enzyme activity is restored. The active site is at the interface of the two domains. Both contribute substrate-binding residues, but the catalytic metal ions are bound exclusively via the N-terminal guanylate cyclase domain.
Cellular Localization	Membrane. Multi-pass membrane protein.

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