

Anti-A Cyclase VIII antibody



Description	Rabbit polyclonal to A Cyclase VIII.
Model	STJ91400
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, IF, IHC
Immunogen	Synthesized peptide derived from human A Cyclase VIII
Immunogen Region	560-640 aa, Internal
Gene ID	114
Gene Symbol	ADCY8
Dilution range	IHC 1:100-1:300IF 1:200-1:1000ELISA 1:40000
Specificity	A Cyclase VIII Polyclonal Antibody detects endogenous levels of A Cyclase VIII protein.
Tissue Specificity	Detected in brain cortex.
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 8 ATP pyrophosphate-lyase 8 Adenylate cyclase type VIII Adenylyl cyclase 8 AC8 Ca ²⁺ /calmodulin-activated adenylyl cyclase
Molecular Weight	140.122 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:2390103070
Alternative Names	Adenylate cyclase type 8 ATP pyrophosphate-lyase 8 Adenylate cyclase type VIII Adenylyl cyclase 8 AC8 Ca ²⁺ /calmodulin-activated adenylyl cyclase
Function	This is a membrane-bound, calcium-stimulable adenylyl cyclase. May be involved in learning, in memory and in drug dependence .
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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