

Rabbit ADCY4 Polyclonal Antibody | anti-ADCY4 antibody

ADCY4 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324196	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

ADCY4; Polyclonal Antibody; ADCY4 Antibody; AC4; Adcy4; ADCY4_HUMAN; Adenylate cyclase 4; Adenylate cyclase type 4; Adenylate cyclase type IV; Adenylyl cyclase 4; Adenylyl cyclase; ATP pyrophosphate lyase 4; ATP pyrophosphate lyase; ATP pyrophosphate-lyase 4; anti-ADCY4 antibody

PRODUCT SPECIFICATIONS

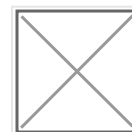
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	ADCY4 antibody detects endogenous levels of total ADCY4
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1077
Applicable Applications for anti-ADCY4 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Membrane.
Tissue Specificity	Detected in the zona glomerulosa and the zona fasciculata in the adrenal gland (at protein level).
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Pig (100%), Bovine (92%), Horse (100%), Sheep (92%), Rabbit (100%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA324196 staining Hela cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from Jurkat cells, using ADCY4 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-ADCY4 antibody	Function: Catalyzes the formation of the signaling molecule cAMP in response to G-protein signaling. Similarity: The protein contains two modules with six transmembrane helices each; both are required for catalytic activity. Isolated N-terminal or C-terminal modules have no catalytic activity, but when they are brought together, enzyme activity is restored. The active site is at the interface of the two modules. Belongs to the adenylyl cyclase class-4/guanylyl cyclase family.
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	310832386
NCBI GeneID	196883
NCBI Accession #	NP_001185497.1
NCBI GenBank Nucleotide #	NM_001198568.1
UniProt Accession #	Q8NFM4; Q17R40; Q6ZTM6; Q96ML7; B3KV74; D3DS75
Molecular Weight	Observed: 120 kD Predicted: 120 kDa
NCBI Official Full Name	adenylate cyclase type 4
NCBI Official Synonym Full Names	adenylate cyclase 4
NCBI Official Symbol	ADCY4
NCBI Official Synonym Symbols	AC4
NCBI Protein Information	adenylate cyclase type 4
UniProt Protein Name	Adenylate cyclase type 4
UniProt Gene Name	ADCY4

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.