

Anti-Adenylate Cyclase 4 Antibody

Catalog # AP60128

Product Information

Application	WB, IF/IC
Primary Accession	Q8NFM4
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	119794

Additional Information

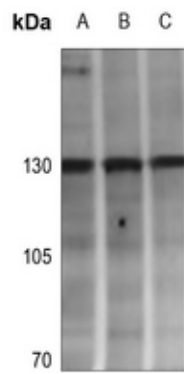
Gene ID	196883
Other Names	Adenylate cyclase type 4; ATP pyrophosphate-lyase 4; Adenylate cyclase type IV; Adenylyl cyclase 4
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Adenylate Cyclase 4. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

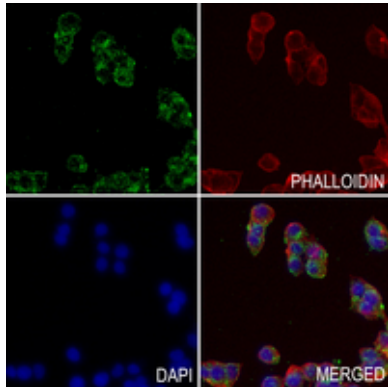
Name	ADCY4
Function	Catalyzes the formation of the signaling molecule cAMP in response to G protein signaling.
Cellular Location	Cell membrane; Multi-pass membrane protein. Cytoplasm
Tissue Location	Detected in the zona glomerulosa and the zona fasciculata in the adrenal gland (at protein level)

Images

Western blot analysis of Adenylate Cyclase 4 expression in HEK293T (A), HCT116 (B), A549 (C) whole cell lysates.



(Predicted band size: 119 kD; Observed band size: 130 kD)



Immunofluorescent analysis of Adenylate Cyclase 4 staining in HepG2 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.