

ADCY6 antibody

Product Information

Catalog No.:	FNab00157
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months(Avoid repeated freeze / thaw cycles.)

Background

Catalyzes the formation of the signaling molecule cAMP downstream of G protein-coupled receptors(PubMed:17916776, PubMed:17110384). Functions in signaling cascades downstream of beta-adrenergic receptors in the heart and in vascular smooth muscle cells(PubMed:17916776). Functions in signaling cascades downstream of the vasopressin receptor in the kidney and has a role in renal water reabsorption. Functions in signaling cascades downstream of PTH1R and plays a role in regulating renal phosphate excretion. Functions in signaling cascades downstream of the VIP and SCT receptors in pancreas and contributes to the regulation of pancreatic amylase and fluid secretion(By similarity). Signaling mediates cAMP-dependent activation of protein kinase PKA. This promotes increased phosphorylation of various proteins, including AKT. Plays a role in regulating cardiac sarcoplasmic reticulum Ca(2+) uptake and storage, and is required for normal heart ventricular contractibility. May contribute to normal heart function(By similarity). Mediates vasodilatation after activation of beta-adrenergic receptors by isoproterenol(PubMed:17916776). Contributes to bone cell responses to mechanical stimuli(By similarity).

Immunogen information

Immunogen:	adenylate cyclase 6
Synonyms:	Adenylate cyclase type 6 ATP pyrophosphate-lyase 6 Adenylate cyclase type VI Adenylyl cyclase 6 Ca(2+)-inhibitable adenylyl cyclase ADCY6 KIAA0422
Observed MW:	131 kDa

Uniprot ID : O43306

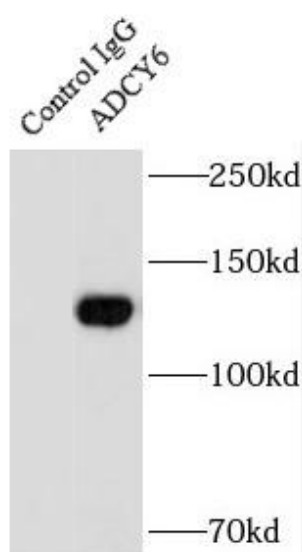
Application

Reactivity: Human, Mouse, Rat

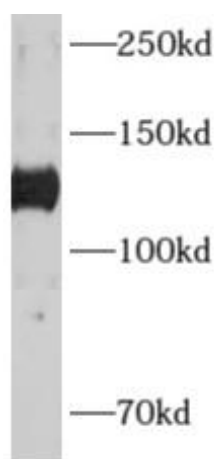
Tested Application: ELISA, WB, IP

Recommended dilution: WB: 1:200-1:2000; IP: 1:200-1:1000

Image:



IP Result of anti-ADCY6 (IP:FNab00157, 4ug; Detection:FNab00157 1:300) with mouse brain tissue lysate 4000ug.



human brain tissue were subjected to SDS PAGE followed by western blot with FNab00157(ADCY6 antibody) at dilution of 1:200