

产品名称: A Cyclase I Rabbit Polyclonal Antibody
产品货号: AP Rab06352



产品概述 (Summary)

产品名称 (Production Name)	A Cyclase I Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Mouse

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	ADCY1
别名 (Alternative Names)	ADCY1; Adenylate cyclase type 1; ATP pyrophosphate-lyase 1; Adenylate cyclase type I; Adenylyl cyclase 1; Ca(2+)/calmodulin-activated adenylyl cyclase
基因 ID (Gene ID)	107.0
蛋白 ID (SwissProt ID)	Q08828.The antiserum was produced against synthesized peptide derived from human ADCY1. AA range:231-280

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:20000-1:40000
蛋白分子量 (Molecular Weight)	130kDa

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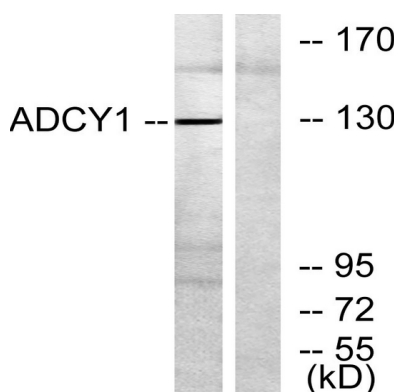
研究背景 (Background)

This gene encodes a member of the of adenylate cyclase gene family that is primarily expressed in the brain. This protein is regulated by calcium/calmodulin concentration and may be involved in brain development. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Aug 2013],catalytic activity:ATP = 3',5'-cyclic AMP + diphosphate.,cofactor:Binds 2 magnesium ions per subunit.,enzyme regulation:Activated by calcium/calmodulin. Inhibited by the G protein beta and gamma subunit complex.,function:This is a calmodulin-sensitive adenylyl cyclase. May be involved in regulatory processes in the central nervous system. It may play a role in memory acquisition and learning.,similarity:Belongs to the adenylyl cyclase class-4/guanylyl cyclase family.,similarity:Contains 2 guanylate cyclase domains.,tissue specificity:Brain, retina and adrenal medulla.,

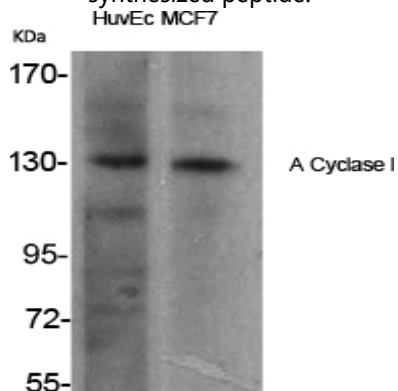
研究领域 (Research Area)

Purine metabolism;Calcium;Chemokine;Oocyte meiosis;Vascular smooth muscle contraction;Gap junction;Long-term potentiation;GnRH;Progesterone-mediated oocyte maturation;Melanogenesis;Dilated cardiomyopathy;

图片 (Image Data)

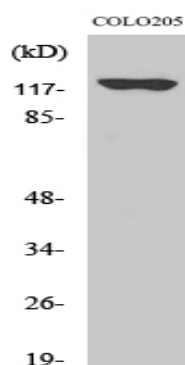


Western blot analysis of lysates from COLO205 cells, using ADCY1 Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using A Cyclase I Polyclonal Antibody

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Western Blot analysis of COLO205 cells using A Cyclase I Polyclonal Antibody

注意事项 (Note)

For research use only .