

产品名称: Adducin α/β Rabbit Polyclonal Antibody
产品货号: APRab06618



产品概述 (Summary)

产品名称 (Production Name)	Adducin α/β Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA,IP
种属反应性 (Reactivity)	Human,Mouse,Rat

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)	ADD1/ADD2
别名 (Alternative Names)	ADD1; ADDA; Alpha-adducin; Erythrocyte adducin subunit alpha; ADD2; ADDB; Beta-adducin; Erythrocyte adducin subunit beta
基因 ID (Gene ID)	118/119
蛋白 ID (SwissProt ID)	P35611/P35612.The antiserum was produced against synthesized peptide derived from human ADD1. AA range:688-737

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:20000-1:40000,IP 1:20-1:50
蛋白分子量 (Molecular Weight)	80kDa

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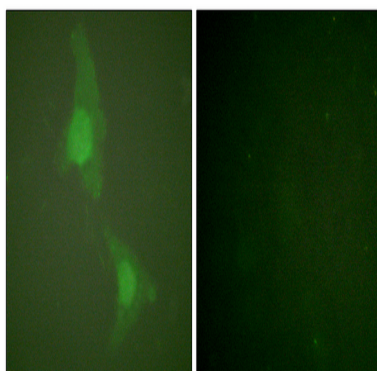


研究背景 (Background)

adducin 1(ADD1) Homo sapiens Adducins are a family of cytoskeleton proteins encoded by three genes (alpha, beta, gamma). Adducin is a heterodimeric protein that consists of related subunits, which are produced from distinct genes but share a similar structure. Alpha- and beta-adducin include a protease-resistant N-terminal region and a protease-sensitive, hydrophilic C-terminal region. Alpha- and gamma-adducins are ubiquitously expressed. In contrast, beta-adducin is expressed at high levels in brain and hematopoietic tissues. Adducin binds with high affinity to Ca^{2+} /calmodulin and is a substrate for protein kinases A and C. Alternative splicing results in multiple variants encoding distinct isoforms; however, not all variants have been fully described. [provided by RefSeq, Jul 2008], alternative products: Additional isoforms seem to exist, domain: Each subunit is comprised of three regions: a NH2-terminal protease-resistant globular head region, a short connecting subdomain, and a protease-sensitive tail region., function: Membrane-cytoskeleton-associated protein that promotes the assembly of the spectrin-actin network. Binds to calmodulin., PTM: The N-terminus is blocked., similarity: Belongs to the aldolase class II family. Adducin subfamily., subunit: Heterodimer of an alpha and a beta subunit or an alpha and a gamma subunit. Binds ROCK1., tissue specificity: Expressed in all tissues. Found in much higher levels in reticulocytes than the beta subunit.,

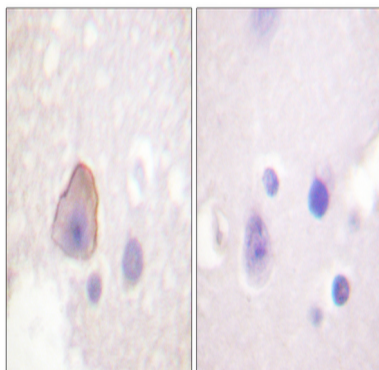
研究领域 (Research Area)

图片 (Image Data)

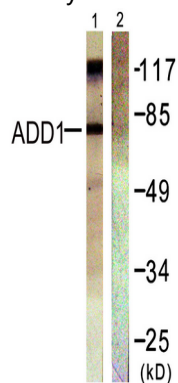


Immunofluorescence analysis of HeLa cells, using ADD1 Antibody. The picture on the right is blocked with the synthesized peptide.

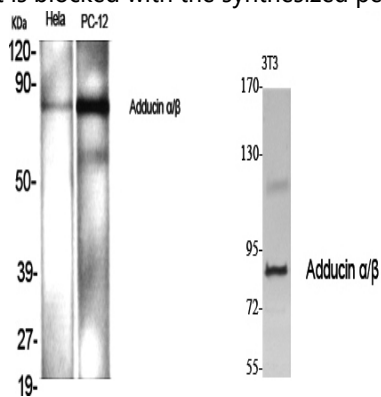
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Immunohistochemistry analysis of paraffin-embedded human brain tissue, using ADD1 Antibody. The picture on the right is blocked with the synthesized peptide.

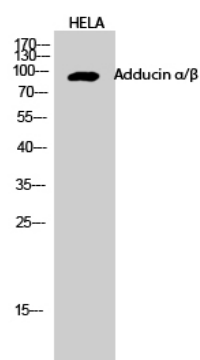


Western blot analysis of lysates from HeLa cells, treated with Forskolin 40nM 30', using ADD1 Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using Adducin α/β Polyclonal Antibody diluted at 1: 1000

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Western Blot analysis of HELA cells using Adducin α/β Polyclonal Antibody diluted at 1: 1000

注意事项 (Note)

For research use only .