

产品名称: Adducin β Rabbit Polyclonal Antibody
产品货号: APRab06619



产品概述 (Summary)

产品名称 (Production Name)	Adducin β Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB, ICC/IF, ELISA
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)	ADD2
别名 (Alternative Names)	ADD2; ADDB; Beta-adducin; Erythrocyte adducin subunit beta
基因 ID (Gene ID)	119.0
蛋白 ID (SwissProt ID)	P35612. The antiserum was produced against synthesized peptide derived from human ADD2. AA range: 471-520

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000, ICC/IF 1:200-1:1000, ELISA 1:5000-1:10000
蛋白分子量 (Molecular Weight)	81kDa

研究背景 (Background)

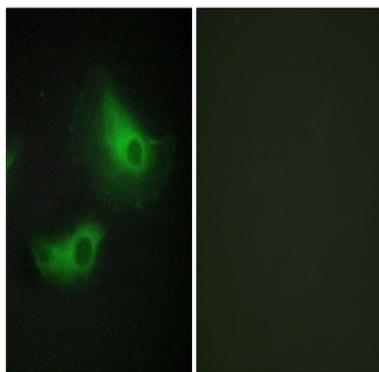
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adducin 2(ADD2) Homo sapiens Adducins are heteromeric proteins composed of different subunits referred to as adducin alpha, beta and gamma. The three subunits are encoded by distinct genes and belong to a family of membrane skeletal proteins involved in the assembly of spectrin-actin network in erythrocytes and at sites of cell-cell contact in epithelial tissues. While adducins alpha and gamma are ubiquitously expressed, the expression of adducin beta is restricted to brain and hematopoietic tissues. Adducin, originally purified from human erythrocytes, was found to be a heterodimer of adducins alpha and beta. Polymorphisms resulting in amino acid substitutions in these two subunits have been associated with the regulation of blood pressure in an animal model of hypertension. Heterodimers consisting of alpha and gamma subunits have also been described. Structurally, each subunit is comprised of two distinct domains. The amino-terminal region (alternative products: Additional isoforms seem to exist, developmental stage: Fetal kidney expresses isoforms 3, 4, 5, 6 and 7, and fetal liver expresses isoforms 3 and 4, 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. Calmodulin binds preferentially to the beta subunit, 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, tissue specificity: Expressed mainly in brain, spleen, kidney cortex and medulla, and heart. Also expressed in human umbilical vein endothelial cells, human vascular smooth muscle cells, kidney tubular cells and K562 cells,

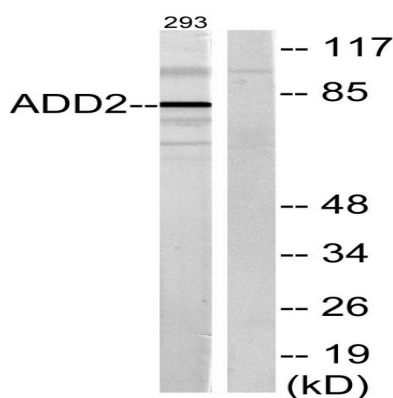
研究领域 (Research Area)

图片 (Image Data)

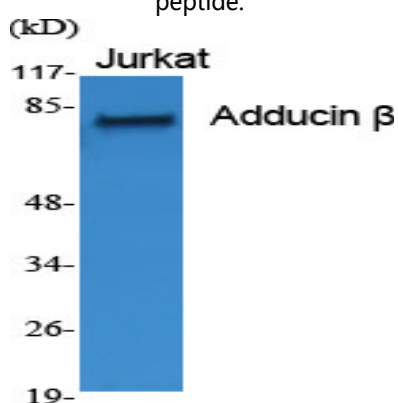


Immunofluorescence analysis of HeLa cells, using ADD2 Antibody. The picture on the right is blocked with the synthesized peptide.

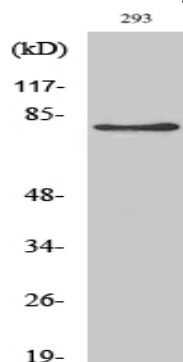
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Western blot analysis of lysates from 293 cells, using ADD2 Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using Adducin β Polyclonal Antibody



Western Blot analysis of 293 cells using Adducin β Polyclonal Antibody

注意事项 (Note)

For research use only .