



Adducin β rabbit pAb

Cat No.:ES1605

For research use only

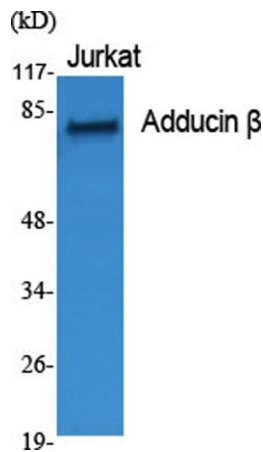
Overview

Product Name	Adducin β rabbit pAb
Host species	Rabbit
Applications	WB;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human ADD2. AA range:471-520
Specificity	Adducin β Polyclonal Antibody detects endogenous levels of Adducin β protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Beta-adducin
Gene Name	ADD2
Cellular localization	Cytoplasm, cytoskeleton. Cell membrane; Peripheral membrane protein; Cytoplasmic side.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	81kD
Human Gene ID	119
Human Swiss-Prot Number	P35612
Alternative Names	ADD2; ADDB; Beta-adducin; Erythrocyte adducin subunit beta
Background	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 i



Western Blot analysis of various cells using Adducin β Polyclonal Antibody



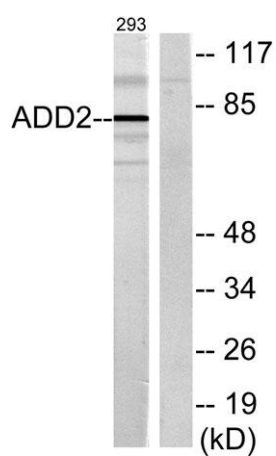
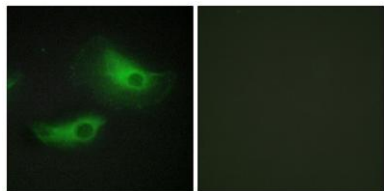
Western Blot analysis of 293 cells using Adducin β Polyclonal Antibody





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



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



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