



Rabbit Anti-alpha Adducin antibody

SL4559R

Product Name:	alpha Adducin
Chinese Name:	内收蛋白a1抗体
Alias:	ADD 1; ADD A; ADD1; ADD1 protein; ADDA; ADDA_HUMAN; Adducin 1 (alpha); Adducin 1 alpha; Alpha adducin; Alpha-adducin; Erythrocyte adducin alpha subunit; Erythrocyte adducin subunit alpha; MGC3339; MGC44427; OTTHUMP00000151163; OTTHUMP00000151164; OTTHUMP00000151165; OTTHUMP00000218664; OTTHUMP00000218665
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Rabbit,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	81kDa
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human alpha Adducin:441-540/737
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	Adducins are a family of cytoskeleton proteins encoded by three genes (alpha, beta and gamma). Adducin is a protein associated with the inner leaflet of the plasma membrane and is one of the proteins localized at the spectrin-Actin junction of the membrane

skeleton. The cortical Actin cytoskeletal network is lost during apoptosis and Adducins are central in the cortical Actin network organization. Adducin alpha is a cytoskeletal protein involved with sodium-pump activity in the renal tubule and is associated with hypertension. The expression of Adducin alpha and Adducin gamma is ubiquitous in contrast to the restricted expression of Adducin beta . Adducin beta is expressed at high levels in brain and hematopoietic tissues, such as bone marrow in humans and spleen in mice.

Function:

Membrane-cytoskeleton-associated protein that promotes the assembly of the spectrin-actin network. Binds to calmodulin.

Subunit:

Heterodimer of an alpha and a beta subunit or an alpha and a gamma subunit.

Subcellular Location:

Cytoplasm, cytoskeleton. Cell membrane; Peripheral membrane protein; Cytoplasmic side.

Tissue Specificity:

Expressed in all tissues. Found in much higher levels in reticulocytes than the beta subunit.

Similarity:

Belongs to the aldolase class II family. Adducin subfamily.

SWISS:

P35611

Gene ID:

118

Database links:

[Entrez Gene: 118](#)Human

[Entrez Gene: 11518](#)Mouse

[Entrez Gene: 24170](#)Rat

[Omim: 102680](#)Human

[SwissProt: P35611](#)Human

[SwissProt: Q9QYC0](#)Mouse

[SwissProt: Q63028](#)Rat

[Unigene: 183706](#)Human

[Unigene: 289106](#)Mouse

[Unigene: 5788](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

www.sunlongbiotech.com