SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-phospho-alpha Adducin (Ser436)antibody

Catalog Number: SL15968R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	phospho-alpha Adducin (Ser436)
Immunogen:	KLH conjugated synthesised phosphopeptide derived from human alpha Adducin around the phosphorylation site of Ser436: RH(p-S)FQ
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human,Mouse(predicted:Rat,Chicken,Dog,Cow,Horse)
Predicted MW.:	81kDa
Subcellular Location:	cytoplasmic The cell membrane
Background:	Adducins are a family of cytoskeleton proteins encoded by three genes (Alpha, Beta, 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 in 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

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	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. **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

[VALIDATION IMAGES]



Sample:
Testis (Mouse) Lysate at 40 ug
Spleen (Mouse) Lysate at 40 ug
Molt-4(Human) Cell Lysate at 30 ug
Primary: Anti- phospho-alpha Adducin (Ser436) (SL15968R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 120 kD
Observed band size: 120 kD

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