SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-Alpha chimerin antibody

Catalog Number: SL11539R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Alpha chimerin
Immunogen:	KLH conjugated synthetic peptide derived from human Alpha-chimerin: 151-250/459
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℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 IHC-P=1:100-500 IHC-F=1:100-500 ICC/IF=1:100-500 IF=1:100-500 ELISA=1:5000-10000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted: Human, Mouse, Rat, Dog, Cow, Horse, Sheep)
Predicted MW.:	53kDa
Subcellular Location:	cytoplasmic
Background:	This gene encodes GTPase-activating protein for ras-related p21-rac and a phorbol ester receptor. It is predominantly expressed in neurons, and plays an important role in neuronal signal-transduction mechanisms. Mutations in this gene are associated with Duane's retraction syndrome 2 (DURS2). Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Apr 2011] **Function:** GTPase-activating protein for p21-rac and a phorbol ester receptor. May play an important role in neuronal signal-transduction mechanisms. **Subunit:** Interacts with EPHA4; effector of EPHA4 in axon guidance linking

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

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	EPHA4 activation to RAC1 regulation **Tissue Specificity:** In neurons in brain regions that are involved in learning and memory processes. DISEASE: Defects in CHN1 are the cause of Duane retraction syndrome type 2 (DURS2) [MIM:604356]. Duane retraction syndrome is a congenital eye movement disorder characterized by a failure of cranial nerve VI (the abducens nerve) to develop normally, resulting in restriction or absence of abduction, adduction, or both, and narrowing of the palpebral fissure and retraction of the globe on attempted adduction. Undiagnosed in children, it can lead to amblyopia, a permanent uncorrectable loss of vision. **Similarity:** Contains 1 phorbol-ester/DAG-type zinc finger. Contains 1 Rho-GAP domain. Contains 1 SH2 domain. **Database links:** **Entrez Gene:** 1123 Human **Entrez Gene:** 108699 Mouse **Entrez Gene:** 84030 Rat Omim: 118423 Human **SwissProt:** P15882 Human **SwissProt:** Q91V57 Mouse **SwissProt:** P30337 Rat **Unigene:** 380138 Human **Unigene:** 475464 Mouse **Unigene:** 11166 Rat

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