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Rabbit Anti-Alpha chimerin antibody

SL11539R

Product Name:	Alpha chimerin
Chinese Name:	α1-chimaerin蛋白抗体
Alias:	CHN 1; A-chimaerin; Alpha-chimerin; Alpha chimerin; ARHGAP2; CHIN_HUMAN; CHN; Chn1; N chimaerin; N chimerin; N-chimaerin; N-chimerin; NC; Rho GTPase-activating protein 2; RHOGAP2.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Cow,Horse,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=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:	53kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Alpha-chimerin:151-250/459
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 癈 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癈. 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 癈.
PubMed:	PubMed
Product Detail:	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 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.

SWISS:
P15882

Gene ID:
1123

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