SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

[Primary Antibody]

Rabbit Anti-NCALD antibody

Catalog Number: SL14442R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	NCALD
Immunogen:	KLH conjugated synthetic peptide derived from human NCALD: 51-150/193
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:	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, Chicken, Cow, Rabbit)
Predicted MW.:	22kDa
Subcellular Location:	cytoplasmic Extracellular matrix Secretory protein
Background:	This gene encodes a member of the neuronal calcium sensor (NCS) family of calcium-binding proteins. The protein contains an N-terminal myristoylation signal and four EF-hand calcium binding loops. The protein is cytosolic at resting calcium levels; however, elevated intracellular calcium levels induce a conformational change that exposes the myristoyl group, resulting in protein association with membranes and partial co-localization with the perinuclear trans-golgi network. The protein is thought to be a regulator of G protein-coupled receptor signal transduction. Several alternatively spliced variants of this gene have been determined, all of which encode the same protein; additional variants may exist but their biological validity has not been determined. [provided by RefSeq, Jul 2008]

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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	Function: May be involved in the calcium-dependent regulation of rhodopsin phosphorylation. Binds three calcium ions. **Tissue Specificity:** Retina, cerebrum, cerebellum, brain stem, spinal cord, testis, ovary and small intestine. **Similarity:** Belongs to the recoverin family. Contains 4 EF-hand domains. **Database links:** **Entrez Gene:** 83988 Human **Entrez Gene:** 281940 Cow **Entrez Gene:** 52589 Mouse **Entrez Gene:** 553106 Rat Omim: 606722 Human **SwissProt:** P61602 Cow **SwissProt:** P61601 Human **SwissProt:** Q91X97 Mouse **SwissProt:** Q5PQN0 Rat **Unigene:** 492427 Human **Unigene:** 680132 Human **Unigene:** 283370 Mouse **Unigene:** 13744 Rat

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