

NCALD Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP55578

Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	P61601
Reactivity	Rat, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	22245
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human NCALD
Epitope Specificity	51-150/193
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the recoverin family. Contains 4 EF-hand domains.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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]

Additional Information

Gene ID	83988
Other Names	Neurocalcin-delta, NCALD
Target/Specificity	Retina, cerebrum, cerebellum, brain stem, spinal cord, testis, ovary and small intestine.
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

Protein Information

Name	NCALD
Function	May be involved in the calcium-dependent regulation of rhodopsin phosphorylation. Binds three calcium ions.
Tissue Location	Retina, cerebrum, cerebellum, brain stem, spinal cord, testis, ovary and small intestine

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.