

NCALD Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10495b**Specification**

NCALD Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	P61601
Other Accession	Q7SY75 , Q5PON0 , Q91X97 , Q4R4N4 , P62758 , P61602 , P37235 , P84076 , Q06AT1 , P84075 , P84074 , Q4PL64 , NP_001035715.1 , NP_001035720.1
Reactivity	Human, Mouse
Predicted	Bovine, Pig, Rat, Chicken, Monkey, Xenopus
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	22245
Antigen Region	147-174

NCALD Antibody (C-term) - Additional Information**Gene ID** 83988**Other Names**

Neurocalcin-delta, NCALD

Target/Specificity

This NCALD antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 147-174 amino acids from the C-terminal region of human NCALD.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

NCALD Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

NCALD Antibody (C-term) - Protein Information

Name NCALD

Function May be involved in the calcium-dependent regulation of rhodopsin phosphorylation. Binds three calcium ions.

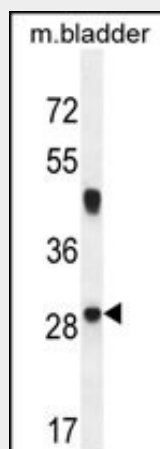
Tissue Location

Retina, cerebrum, cerebellum, brain stem, spinal cord, testis, ovary and small intestine

NCALD Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

NCALD Antibody (C-term) - Images

NCALD Antibody (C-term) (Cat. #AP10495b) western blot analysis in mouse bladder tissue lysates (35ug/lane). This demonstrates the NCALD antibody detected the NCALD protein (arrow).

NCALD Antibody (C-term) - Background

NCALD 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.

NCALD Antibody (C-term) - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Cirulli, E.T., et al. Eur. J. Hum. Genet. 18(7):815-820(2010)
Gill, M.B., et al. J. Biol. Chem. 284(21):14503-14512(2009)
Venkataraman, V., et al. Biochemistry 47(25):6590-6601(2008)
Kamiyama, M., et al. Hum. Genet. 122 (3-4), 397-407 (2007) :