

NECAB2 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17328A

Specification

NECAB2 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	Q7Z6G3
Other Accession	NP_061938.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	43194
Antigen Region	1-30

NECAB2 Antibody (N-term) - Additional Information

Gene ID 54550

Other Names

N-terminal EF-hand calcium-binding protein 2, EF-hand calcium-binding protein 2, Neuronal calcium-binding protein 2, Synaptotagmin-interacting protein 2, Stip-2, NECAB2, EFCBP2

Target/Specificity

This NECAB2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human NECAB2.

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

NECAB2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

NECAB2 Antibody (N-term) - Protein Information

Name NECAB2

Synonyms EFCBP2

Function May act as a signaling scaffold protein that senses intracellular calcium. Can modulate ligand-induced internalization of ADORA2A and coupling efficiency of mGluR5/GRM5; for both receptors may regulate signaling activity such as promoting MAPK1/3 (ERK1/2) activation.

Cellular Location

Cytoplasm {ECO:0000250|UniProtKB:F1LQY6, ECO:0000250|UniProtKB:Q91ZP9}. Cell projection, dendrite {ECO:0000250|UniProtKB:F1LQY6}. Cell projection, axon {ECO:0000250|UniProtKB:F1LQY6}. Cell membrane Note=Colocalizes with ADORA2A and/or mGluR5/GRM5 at the plasma membrane (PubMed:17689978, PubMed:19694902). Found in neuronal somata (PubMed:26843217). Detected in the cytoplasm of striatal neurons, at postsynaptic sites, filling dendritic shafts and spines, and at presynaptic sites, filling axon terminals (By similarity) {ECO:0000250|UniProtKB:F1LQY6, ECO:0000269|PubMed:17689978, ECO:0000269|PubMed:19694902, ECO:0000269|PubMed:26843217}

Tissue Location

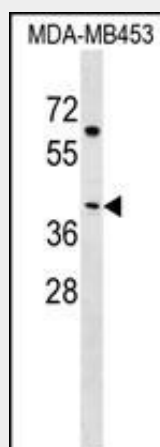
Expressed in brain. Expressed in the spinal dorsal horn with especially strong expression in lamina Ili; found in excitory synaptic boutons and in ependymal cells (at protein level)

NECAB2 Antibody (N-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](#)

NECAB2 Antibody (N-term) - Images



NECAB2 Antibody (N-term) (Cat. #AP17328a) western blot analysis in MDA-MB453 cell line lysates (35ug/lane). This demonstrates the NECAB2 antibody detected the NECAB2 protein (arrow).

NECAB2 Antibody (N-term) - Background

The specific function of this protein remains unknown.

NECAB2 Antibody (N-term) - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Canela, L., et al. J. Neurochem. 111(2):555-567(2009)
Uhl, G.R., et al. Arch. Gen. Psychiatry 65(6):683-693(2008)
Canela, L., et al. Mol. Cell. Neurosci. 36(1):1-12(2007)
Lim, J., et al. Cell 125(4):801-814(2006)