

NECAB2 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP17328a**Specification**

NECAB2 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q7Z6G3](#)**NECAB2 Antibody (N-term) Blocking Peptide - 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

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

NECAB2 Antibody (N-term) Blocking Peptide - 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 III; found in excitatory synaptic boutons and in ependymal cells (at protein level)

NECAB2 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

NECAB2 Antibody (N-term) Blocking Peptide - Images

NECAB2 Antibody (N-term) Blocking Peptide - Background

The specific function of this protein remains unknown.

NECAB2 Antibody (N-term) Blocking Peptide - 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)