

NECAB2 antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI14867**Specification**

NECAB2 antibody - C-terminal region - Product Information

Application	WB
Primary Accession	Q7Z6G3
Other Accession	NM_019065 , NP_061938
Reactivity	Human, Mouse, Rat, Horse, Bovine, Guinea Pig, Dog
Predicted	Mouse, Rat, Horse, Bovine, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	42kDa kDa

NECAB2 antibody - C-terminal region - Additional Information**Gene ID** 54550**Alias Symbol** **EFCBP2****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

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-NECAB2 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

NECAB2 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

NECAB2 antibody - C-terminal region - 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}

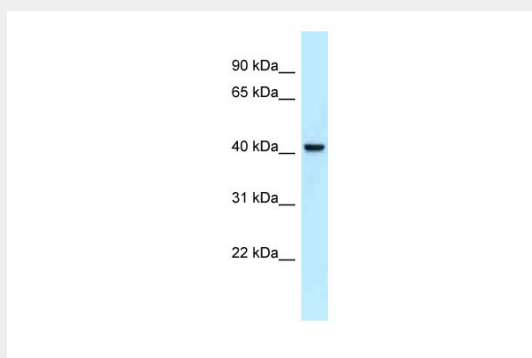
Tissue Location

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

NECAB2 antibody - C-terminal region - 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 - C-terminal region - Images

WB Suggested Anti-NECAB2 Antibody Titration: 1.0 µg/ml
Positive Control: Fetal Heart

NECAB2 antibody - C-terminal region - References

Wu H.,et al.Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Sugita S.,et al.Neuroscience 112:51-63(2002).
Yu W.,et al.Submitted (JUN-1998) to the EMBL/GenBank/DDBJ databases.