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NECAB2 antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI14867

Product Information

Application	WB
Primary Accession	Q7Z6G3
Other Accession	NM_019065, NP_061938
Reactivity	Human, Mouse, Rat, Dog, Guinea Pig, Horse, Bovine
Predicted	Mouse, Rat, Dog, Guinea Pig, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	43194

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.

Protein Information

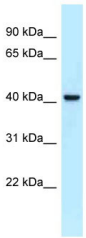
Name	NECAB2
Synonyms	EFCBP2
Function	May act as a signaling scaffold protein that senses intracellular calcium. Can modulate ligand-induced internalization of ADORA2A and coupling efficiency of mGluR5/GRM5; for both receptors may regulate signaling activity such as promoting MAPK1/3 (ERK1/2) activation.
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 excitory synaptic boutons and in ependymal cells (at protein level)

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.

Images



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

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