

# NECAB2 antibody - C-terminal region

Rabbit Polyclonal Antibody

Catalog # AI14867

## Product Information

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<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">Q7Z6G3</a>
<b>Other Accession</b>	<a href="#">NM_019065</a> , <a href="#">NP_061938</a>
<b>Reactivity</b>	Human, Mouse, Rat, Dog, Guinea Pig, Horse, Bovine
<b>Predicted</b>	Mouse, Rat, Dog, Guinea Pig, Horse, Bovine
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	43194

## Additional Information

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<b>Gene ID</b>	54550
<b>Alias Symbol</b>	EFCBP2
<b>Other Names</b>	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
<b>Format</b>	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
<b>Reconstitution &amp; Storage</b>	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.
<b>Precautions</b>	NECAB2 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	NECAB2
<b>Synonyms</b>	EFCBP2
<b>Function</b>	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.
<b>Cellular Location</b>	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 II; found in excitatory synaptic boutons and in ependymal  
cells (at protein level)

## References

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Wu H.,et al.Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.

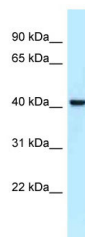
Ota T.,et al.Nat. Genet. 36:40-45(2004).

Sugita S.,et al.Neuroscience 112:51-63(2002).

Yu W.,et al.Submitted (JUN-1998) to the EMBL/GenBank/DDBJ databases.

## Images

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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'.