

EF-CBP2 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP59104

Specification

EF-CBP2 Polyclonal Antibody - Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	Q7Z6G3
Reactivity	Rat, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	43194

EF-CBP2 Polyclonal Antibody - 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

Dilution

WB~~1:1000
IHC-P~~N/A
IHC-F~~N/A
IF~~1:50~200
E~~N/A

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

EF-CBP2 Polyclonal Antibody - 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 II; found in excitatory synaptic boutons and in ependymal cells (at protein level)

EF-CBP2 Polyclonal Antibody - 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](#)

EF-CBP2 Polyclonal Antibody - Images