

NECAB2 Rabbit pAb

CatalogNo: YN6353

| Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse

Applications

- WB

MW

- 42kD (Calculated)

Isotype

- IgG

| Recommended Dilution Ratios

WB 1:500-2000

| Storage

Storage*

-15°C to -25°C/1 year(Do not lower than -25°C)

Formulation

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

| Basic Information

Clonality

Polyclonal

| Immunogen Information

Immunogen

Synthesized peptide derived from human NECAB2

Specificity

This antibody detects endogenous levels of NECAB2 at Human, Mouse

| Target Information

Gene name

NECAB2 EFCBP2

| | | | |
|------------------------------|---|--------------------------|--------------------------|
| Protein Name | 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) | | |
| | Organism | Gene ID | UniProt ID |
| | Human | 54550 ; | Q7Z6G3 ; |
| | Mouse | 117148 ; | Q91ZP9 ; |
| Cellular Localization | Cytoplasm . Cell projection, dendrite . Cell projection, axon . Cell membrane . 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). . | | |
| Tissue specificity | 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). | | |
| 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. | | |

| Validation Data

| Contact information

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NECAB2 Rabbit pAb

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