

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

Orders: order.cn@immunoway.com
Support: support.cn@immunoway.com
Telephone: 400-8787-807(China)
Website: http://www.immunoway.com.cn
Address: 2200 Ringwood Ave San Jose, CA 95131 USA



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NECAB2 Rabbit pAb

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