

Polyclonal Antibody to Calcium Binding Protein 2 (CABP2)

Calcium Binding Protein 2

Catalog # AP74776

Product Information

Application	WB
Primary Accession	Q9JLK4
Reactivity	Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	24223

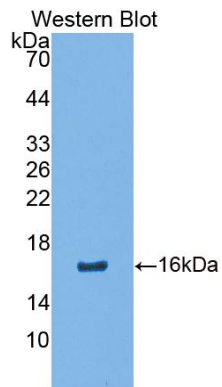
Additional Information

Gene ID	29866
Other Names	Calcium-binding protein 2, CaBP2, Cabp2
Target/Specificity	Mus musculus (Mouse)
Dilution	WB~~Western blotting: 0.2-2 μ g/mL;1:250-2500 Immunohistochemistry: 5-20 μ g/mL;1:25-100 Immunocytochemistry: 5-20 μ g/mL;1:25-100 Optimal working dilutions must be determined by end user.
Format	PBS, pH7.4, containing 0.02% NaN ₃ , 50% glycerol.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	Cabp2
Function	Required for sound encoding at inner hair cells (IHCs) synapses, likely via inhibition of the inactivation of voltage-gated calcium channel of type 1.3 (Cav1.3) in the IHCs (PubMed: 28183797). Required for the normal transfer of light signals through the retina (PubMed: 27822497).
Cellular Location	Cytoplasm, perinuclear region. Cell membrane; Lipid-anchor; Cytoplasmic side. Golgi apparatus
Tissue Location	Expressed in the inner hair cells (IHCs), outer hair cells,(OHCs) and vestibular hair cells within the ear and in the retina (at protein level) (PubMed:17947313, PubMed:28183797). Expressed in the retinal cone type 6 ON-bipolar cells and type 1 OFF-bipolar cells (at protein level) (PubMed:27822497). Expressed in the organ of Corti and spiral ganglion neurons in the cochlea (at protein level)

Images



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