

Calbindin Rabbit mAb

Catalog # AP75178

Product Information

Application	WB, IHC-P, IP
Primary Accession	P12658
Reactivity	Rat, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Purification	Affinity Purified
Calculated MW	29994

Additional Information

Gene ID	12307
Other Names	Calb1
Dilution	WB~~1:500-1:1000 IHC-P~~N/A IP~~1:20-1:50
Format	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

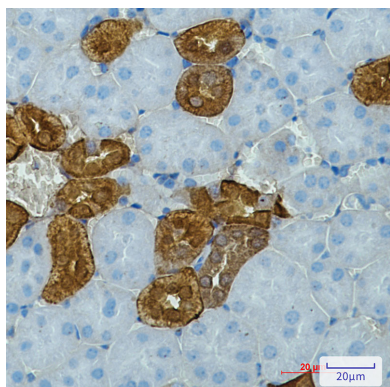
Name	Calb1
Function	Buffers cytosolic calcium. May stimulate a membrane Ca(2+)- ATPase and a 3',5'-cyclic nucleotide phosphodiesterase.
Tissue Location	Expressed in the modiolar nerve root and in bushy neurons in the ventral cochlear nucleus (at protein level)

Background

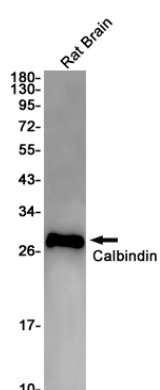
Enables calcium ion binding activity involved in regulation of postsynaptic cytosolic calcium ion concentration and calcium ion binding activity involved in regulation of presynaptic cytosolic calcium ion concentration. Involved in metanephros development and retina layer formation. Acts upstream of or within locomotory behavior. Located in several cellular components, including axon; dendrite; and neuronal cell body. Is active in GABA-ergic synapse; glutamatergic synapse; and hippocampal mossy fiber to CA3 synapse.

Is expressed in several structures, including alimentary system; genitourinary system; integumental system; nervous system; and sensory organ. Orthologous to human CALB1 (calbindin 1).

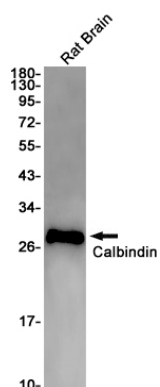
Images



Immunohistochemistry analysis of paraffin-embedded mouse kidney using Calbindin antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Western blot analysis of Calbindin in rat Brain lysates using Calbindin antibody.



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