

# Calretinin Polyclonal Antibody

Catalog # AP73924

## Product Information

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Application	WB, IHC-P
Primary Accession	<a href="#">P22676</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	31540

## Additional Information

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Gene ID	794
Other Names	Calretinin (CR) (29 kDa calbindin)
Dilution	WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications. IHC-P~~Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20°C

## Protein Information

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Name	CALB2 ( <a href="#">HGNC:1435</a> )
Synonyms	CAB29
Function	Calcium-binding protein involved in calcium homeostasis and signal transduction. It plays a critical role in buffering intracellular calcium levels and modulating calcium-dependent signaling pathways (PubMed: <a href="#">2001709</a> ). Predominantly expressed in specific neuronal populations, influences synaptic plasticity and neuronal excitability, contributing to learning and memory (By similarity). During embryonic development, it facilitates neuronal differentiation and maturation (By similarity).
Cellular Location	Synapse {ECO:0000250 UniProtKB:Q08331}. Cell projection, dendrite {ECO:0000250 UniProtKB:Q08331}. Note=Located in dendrioles, small dendrites that makes up a brush structure found as the terminal specialization of a dendrite of a unipolar brush cell {ECO:0000250 UniProtKB:Q08331}
Tissue Location	Brain.

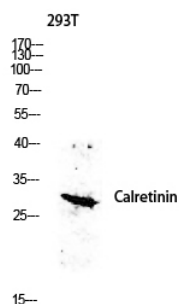
## Background

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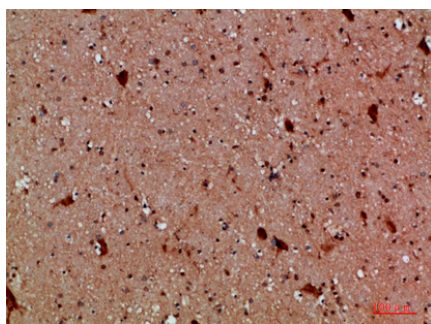
Calretinin is a calcium-binding protein which is abundant in auditory neurons.

## Images

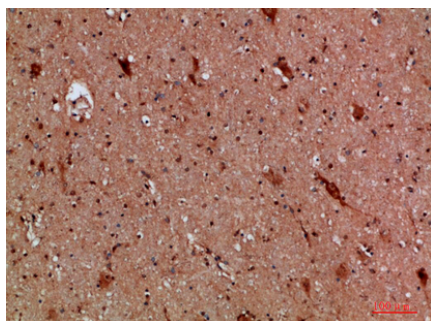
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Western blot analysis of 293T lysis using CALB2 antibody. Antibody was diluted at 1:500. Secondary antibody was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded human-brain, antibody was diluted at 1:200



Immunohistochemical analysis of paraffin-embedded human-brain, antibody was diluted at 1:200

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.