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Calretinin Antibody

Rabbit mAb
Catalog # AP91507

Product Information

Application	WB, IHC, IF, FC, ICC, IHF
Primary Accession	P22676
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	29 kDa calbindin; CAB29; CAL 2; CAL2; CALB 2; CALB2; Calbindin 2 29kDa; Calbindin 2; Calbindin D29K; Calbindin2; Calretinin; CR;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	31540

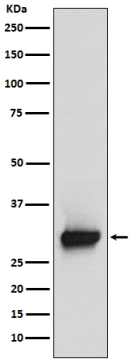
Additional Information

Dilution	WB 1:500~1:1000 IHC 1:50~1:200 ICC/IF 1:50~1:200 FC 1:50
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Calretinin
Description	Calretinin is a calcium-binding protein which is abundant in auditory neurons.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Protein Information

Name	CALB2 (HGNC:1435)
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:2001709). 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.

Images



Western blot analysis of Calretinin expression in SH-SY5Y cell lysate.

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