

Anti-Calretinin Antibody

Catalog # AP95714

Product Information

Application	WB, FC
Primary Accession	P22676
Reactivity	Human, Mk
Host	Mouse
Clonality	Monoclonal
Calculated MW	31540

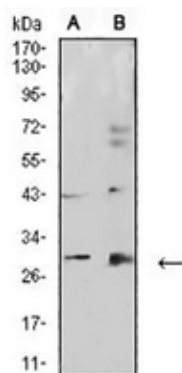
Additional Information

Gene ID	794
Other Names	CAB29; Calretinin; CR; 29 kDa calbindin
Target/Specificity	Recombinant fusion protein of human Calretinin expressed in E. Coli
Dilution	WB~~WB (1/500 - 1/1000) FC~~FC (1/100 - 1/200)
Format	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

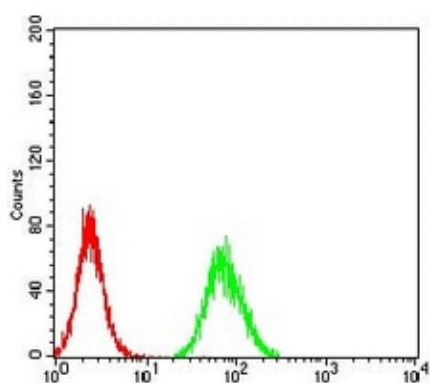
Protein Information

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 HepG2 (A), COS7 (B) whole cell lysates. (Predicted band size: 32 kD; Observed band size: 30 kD)



Flow cytometric analysis of HeLa cells using Anti-Calretinin Antibody (green) and negative control (red).

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