

Calbindin Monoclonal Antibody | anti-CALB1 antibody

Calbindin, monoclonal antibody, mouse

CATALOG #	REACTIVITY	APPLICATIONS
AAA76576	Human, Horse, Cow, Pig, Chicken, Rat, Mouse	Western Blot, Immunohistochemistry, Immunofluorescence, Immunocytochemistry

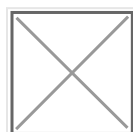
PRODUCT SYNONYMS

Calbindin; Monoclonal Antibody; monoclonal antibody; mouse; anti-CALB1 antibody

PRODUCT SPECIFICATIONS

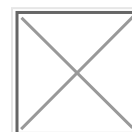
Reactivity	Human, Horse, Cow, Pig, Chicken, Rat, Mouse
Clonality	Monoclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid
Sequence Length	261
Applicable Applications for anti-CALB1 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry)
Immunogen Sequence	Full length recombinant human protein.
Preparation and Storage	Antibody can also be aliquoted and stored frozen at -20°C -70°C in a manual defrost freezer for six months without detectable loss of activity. The antibody can be stored at 2-8°C for 1 month without detectable loss of activity. Avoid repeated freeze/thaw cycles.

IMAGES



WB (Western Blot)

Western blot analysis of AAA76576. Blots of cow cerebellum lysate were probed with AAA76576. The AAA76576 monoclonal binds strongly and cleanly to the calbindin band at 28 kDa



Application Data

Image: Adult mouse cortex (Left) and cerebellum (Right) sections were stained in red, and co-stained with our rabbit polyclonal anti-Fox3/NeuN antibody in green. Calbindin is expressed in a subset of interneurons in the cortex (Left) and prominently expressed in the dendrites of Purkinje cells in the cerebellum molecular layer (Right). Fox3/NeuN expresses in most neurons; as a result, cells positive for calbindin appear to be yellow. Insets are high magnification images of the boxed area. Blue is Dapi nucleus staining that labels DNA.

ADDITIONAL INFORMATION

Related Product Information for anti-CALB1 antibody	Calbindin, also known as calbindin 1 or calbindin-D28k is a member of the large superfamily of cytoplasmic Ca ²⁺ binding proteins. Calbindin-1 belongs to the subclass of these containing the "EF hand" Ca ²⁺ binding motif originally characterized in parvalbumin. Calbindin is expressed in mammalian brain, intestine, kidney and pancreas. In the brain it is localized in certain classes of neurons, and antibodies to it are useful for identifying specific neuronal cell types. It is particularly concentrated in the dendrites and perikarya of cerebellar Purkinje cells, but is also found in many GABAergic interneurons in the cortex.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4826655
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NCBI GeneID	793
NCBI Accession #	NP_004920.1
NCBI GenBank Nucleotide #	NM_004929.3
UniProt Accession #	P05937; B2R696; B7Z9J4
NCBI Official Full Name	calbindin
NCBI Official Synonym Full Names	calbindin 1
NCBI Official Symbol	CALB1
NCBI Official Synonym Symbols	CALB; D-28K
NCBI Protein Information	calbindin
UniProt Protein Name	Calbindin
UniProt Gene Name	CALB1
UniProt Synonym Gene Names	CAB27

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/calbindin-antibody-western-blot-immunohistochemistry-immunofluorescence-immunocytochemistry-elisa/76576>