

Calbindin-D-28K Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10657**Specification**

Calbindin-D-28K Antibody - Product Information

Application	WB
Primary Accession	P12658
Other Accession	EDL05596
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	29994

Calbindin-D-28K Antibody - Additional Information**Gene ID** 12307**Application & Usage**

Western blotting (0.5-4 µg/ml). However, the optimal conditions should be determined individually. The antibody recognizes ~28 kDa Calbindin- D-28K of human, mouse, rat, and monkey origins. Reactivity to other species has not been tested.

Other Names

CALB, CALB1, RTVL-H protein, calbindin 1, calbindin 1

Target/Specificity

Calbindin

Antibody Form

Liquid

Appearance

Colorless liquid

Formulation

100 µg (0.5 mg/ml) affinity purified rabbit anti-Calbindin-D-28K polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 0.01% thimerosal

Handling

The antibody solution should be gently mixed before use.

Reconstitution & Storage

-20 °C

Background Descriptions

Precautions

Calbindin-D-28K Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Calbindin-D-28K Antibody - Protein Information

Name Calb1

Function

Buffers cytosolic calcium. May stimulate a membrane $\text{Ca}(2+)$ -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)

Calbindin-D-28K Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Calbindin-D-28K Antibody - Images**Calbindin-D-28K Antibody - Background**

Calbindin-D-28K (also known as vitamin D-dependant calcium binding protein) belongs to a family of low molecular weight calcium-binding proteins (CaBPs). Calbindin-D-28K is found mostly in subpopulations of central and peripheral nervous system neurons and also in certain epithelial cells involved in Ca^{2+} transport.