

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

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**Calbindin-D-28K Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">P12658</a>
Other Accession	<a href="#">EDL05596</a>
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.
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**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  $\text{Ca}^{2+}$  transport.