

**Anti-Calbindin Picoband Antibody**  
**Catalog # ABO11766****Specification**

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**Anti-Calbindin Picoband Antibody - Product Information**

Application	WB, IHC-P
Primary Accession	<a href="#">P05937</a>
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized

**Description**

Rabbit IgG polyclonal antibody for Calbindin(CALB1) detection. Tested with WB, IHC-P in Human;Mouse;Rat.

**Reconstitution**

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

**Anti-Calbindin Picoband Antibody - Additional Information**

**Gene ID** 793

**Other Names**

Calbindin, Calbindin D28, D-28K, Vitamin D-dependent calcium-binding protein, avian-type, CALB1, CAB27

**Calculated MW**

30025 MW KDa

**Application Details**

Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, Mouse, Rat, By Heat  
Western blot, 0.1-0.5 µg/ml, Rat, Human

**Protein Name**

Calbindin

**Contents**

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05mg Na<sub>3</sub>.

**Immunogen**

E.coli-derived human Calbindin recombinant protein (Position: A2-E175). Human Calbindin shares 99% amino acid (aa) sequence identity with both mouse and rat Calbindin.

**Purification**

Immunogen affinity purified.

**Cross Reactivity**

No cross reactivity with other proteins

**Storage**

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

**Sequence Similarities**

Belongs to the calbindin family.

**Anti-Calbindin Picoband Antibody - Protein Information**

**Name** CALB1

**Synonyms** CAB27

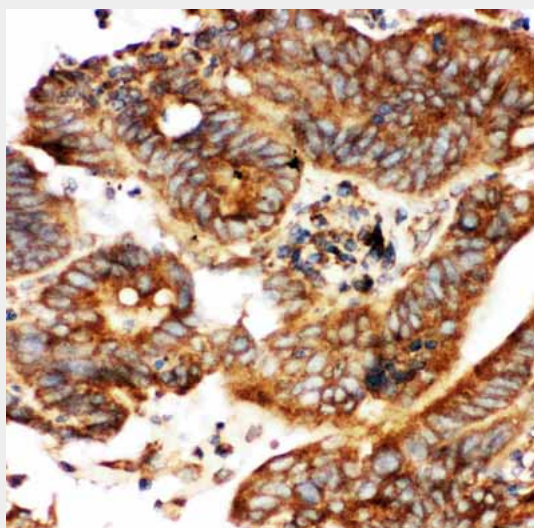
**Function**

Buffers cytosolic calcium. May stimulate a membrane Ca(2+)-ATPase and a 3',5'-cyclic nucleotide phosphodiesterase.

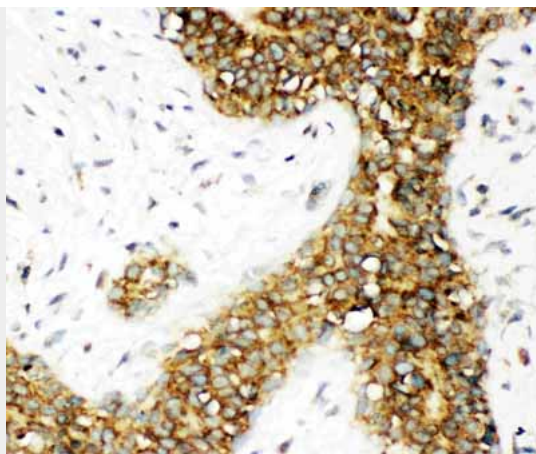
**Anti-Calbindin Picoband Antibody - Protocols**

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

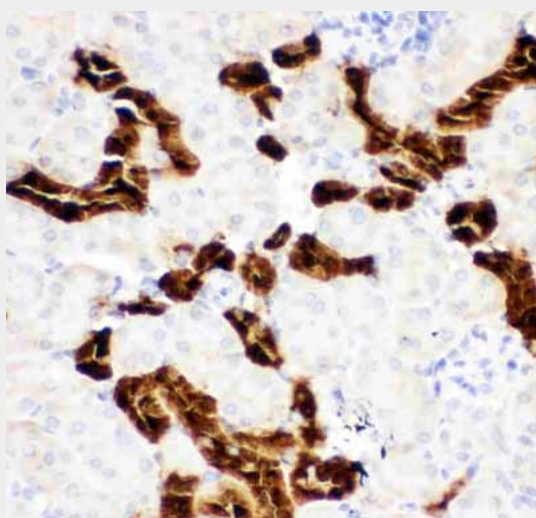
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Anti-Calbindin Picoband Antibody - Images**

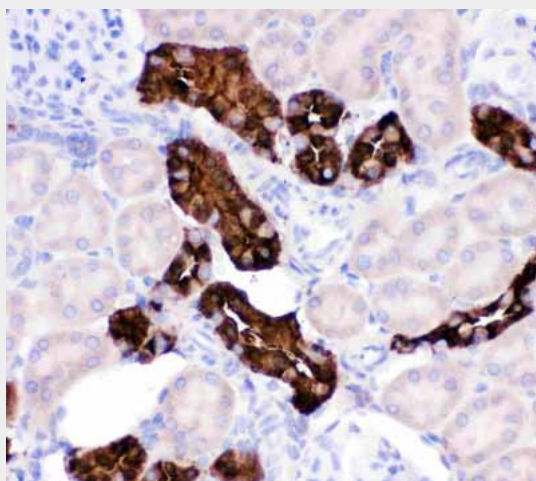
Anti-Calbindin Picoband antibody, ABO11766-1.JPG IHC(P): Human Intestinal Cancer Tissue



Anti-Calbindin Picoband antibody, ABO11766-2.JPGIHC(P): Human Mammary Cancer Tissue



Anti-Calbindin Picoband antibody, ABO11766-3.JPGIHC(P): Mouse Kidney Tissue



Anti-Calbindin Picoband antibody, ABO11766-4.JPGIHC(P): Rat Kidney Tissue



Anti-Calbindin Picoband antibody, ABO11766-5.jpg All lanes: Anti-Calbindin(ABO11766) at 0.5ug/ml  
Lane 1: Rat Brain Tissue Lysate at 40ug  
Lane 2: Rat Kidney Tissue Lysate at 40ug  
Predicted bind size: 30KD  
Observed bind size: 37KD

#### **Anti-Calbindin Picoband Antibody - Background**

Calbindin is a calcium-binding protein belonging to the troponin C superfamily. Calretinin is expressed in central and peripheral nervous system and in many normal and pathological tissues. The rat and human calretinin exhibit 98% sequence homology and 91% homology to many other species. Two calcium binding proteins, calbindin and calretinin, have been reported to be expressed in abundance in Purkinje cells and other cell types in the cerebellum.