

Anti-Calbindin Picoband Antibody

Catalog # ABO11766

Product Information

Application	WB, IHC-P
Primary Accession	P05937
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.

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
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
Source	Eukaryota
Protein Name	Calbindin
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
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.

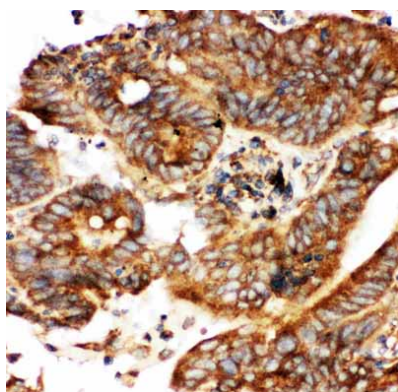
Protein Information

Name	CALB1
Synonyms	CAB27
Function	Buffers cytosolic calcium. May stimulate a membrane Ca(2+)- ATPase and a 3',5'-cyclic nucleotide phosphodiesterase.

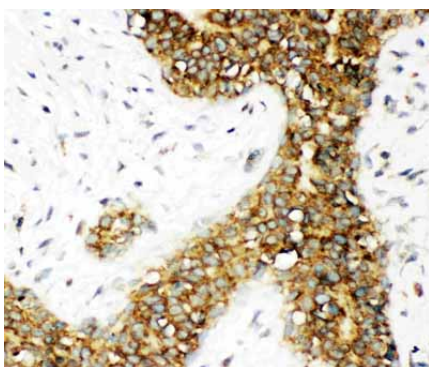
Background

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.

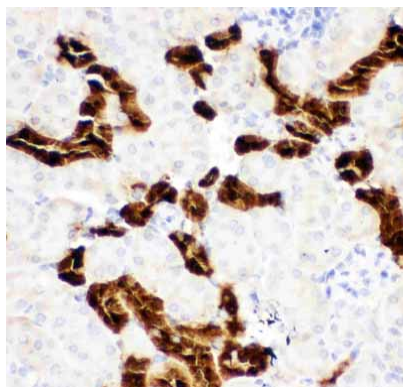
Images



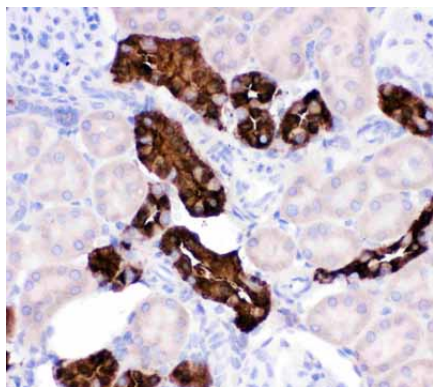
Anti-Calbindin Picoband antibody, ABO11766-1.JPGIHC(P):
Human Intestinal Cancer Tissue



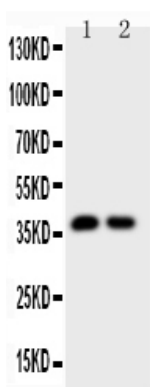
Anti-Calbindin Picoband antibody, ABO11766-2.JPGIHC(P):
Human Mammary Cancer Tissue



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.jpgAll
lanes: Anti-Calbindin(ABO11766) at 0.5ug/mlLane 1: Rat
Brain Tissue Lysate at 40ugLane 2: Rat Kidney Tissue
Lysate at 40ugPredicted bind size: 30KDObserved bind
size: 37KD

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