

Anti-Calbindin-D Antibody (Monoclonal, CB-955)

Catalog # ABO10402

Product Information

Application	WB, IHC-P
Primary Accession	P07171
Host	Mouse
Isotype	Mouse IgG1
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Format	Lyophilized
Description	Mouse IgG monoclonal antibody for Calbindin-D, calbindin 1, 28kDa (CALB1) detection. Tested with WB, IHC-P in Human;mouse;rat;bovine. No cross reactivity with other proteins.
Reconstitution	Add 1ml of PBS buffer will yield a concentration of 100ug/ml.

Additional Information

Gene ID	83839
Other Names	Calbindin, Calbindin D28, D-28K, Spot 35 protein, Vitamin D-dependent calcium-binding protein, avian-type, Calb1
Calculated MW	29994
Application Details	Immunohistochemistry(Paraffin-embedded Section), 1-2 μ g/ml, Human, bovine, mouse, rat, By Heat Western blot, 0.5-1 μ g/ml, Human, bovine, mouse, rat
Source	Eukaryota
Protein Name	Calbindin
Contents	Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN ₃ as preservative.
Clone Names	CB-955
Immunogen	Bovine kidney calbindin-D
Purification	Ascites
Cross Reactivity	No cross reactivity with other proteins
Storage	At -20 °C for one year. After r ° Constitution, at 4 °C for one month. It ° Can also be aliquotted and stored frozen at -20 °C for a longer time.Avoid repeated

Sequence Similarities

freezing and thawing.
Belongs to the calbindin family.

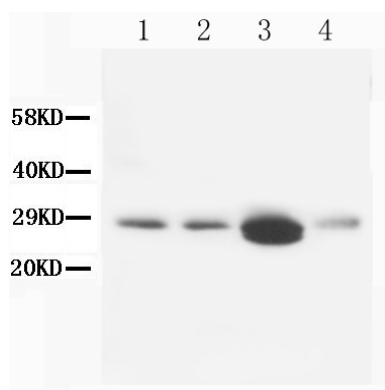
Protein Information

Name	Calb1
Function	Buffers cytosolic calcium. May stimulate a membrane Ca(2+)- ATPase and a 3',5'-cyclic nucleotide phosphodiesterase.

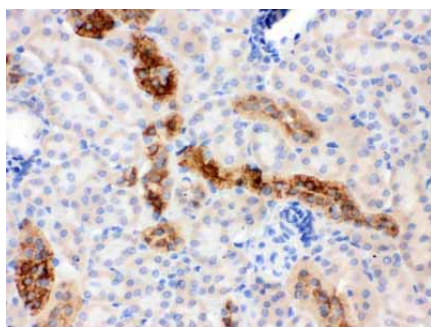
Background

The human calbindin D28k(CALB1) is a calcium-binding protein belonging to the troponin C superfamily. It was originally described as a 27-kD protein induced by vitamin D in the duodenum of the chick. Parmentier et al.(1991) mapped the CALB1 gene to 8q21.3-q22.1 by in situ hybridization.

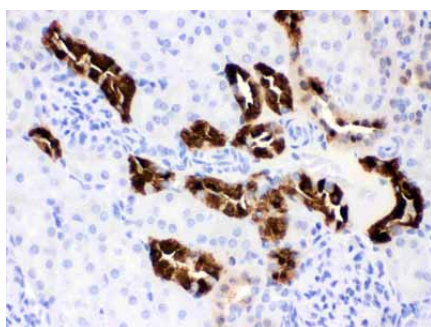
Images



Anti-Calbindin-D antibody (monoclonal), ABO10402,
Western blotting
Lane 1: Rat Brain Tissue Lysate
Lane 2: Rat Brain Tissue Lysate
Lane 3: Rat Kidney Tissue Lysate
Lane 4: Rat Lung Tissue Lysate

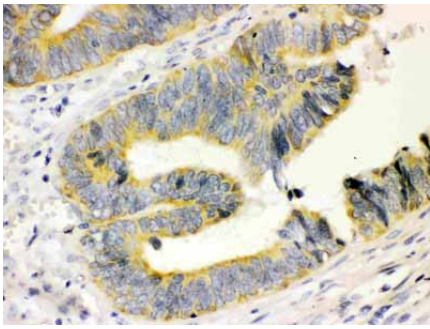


Anti-Calbindin-D antibody (monoclonal), ABO10402,
IHC(P)
IHC(P): Mouse Kidney Tissue

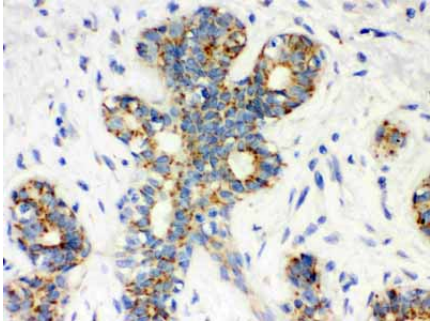


Anti-Calbindin-D antibody (monoclonal), ABO10402,
IHC(P)
IHC(P): Rat Kidney Tissue

Anti-Calbindin-D antibody (monoclonal), ABO10402,
IHC(P)
IHC(P): Human Intestinal Cancer Tissue



Anti-Calbindin-D antibody (monoclonal), ABO10402,
IHC(P)IHC(P): Human Mammary Cancer Tissue



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