

Datasheet for ABIN3043771
anti-CALB1 antibody (AA 2-175)

5 Images

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Overview

Quantity:	100 µg
Target:	CALB1
Binding Specificity:	AA 2-175
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CALB1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Calbindin(CALB1) detection. Tested with WB, IHC-P in Human,Mouse,Rat.
Immunogen:	E.coli-derived human Calbindin recombinant protein (Position: A2-E175). Human Calbindin shares 99% amino acid (aa) sequence identity with mouse and rat Calbindin.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	<p>Rabbit IgG polyclonal antibody for Calbindin(CALB1) detection. Tested with WB, IHC-P in Human,Mouse,Rat.</p> <p>Gene Name: calbindin 1, 28 kDa</p> <p>Protein Name: Calbindin</p>
Purification:	Immunogen affinity purified.

Target Details

Target:	CALB1
Alternative Name:	CALB1 (CALB1 Products)
Background:	<p>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.</p> <p>Synonyms: avian-type antibody CAB27 antibody CALB 1 antibody CALB antibody CALB1 antibody CALB1_HUMAN antibody Calbindin 1 28 kDa antibody Calbindin antibody Calbindin D28 antibody D 28K antibody D-28K antibody D28K antibody OTTHUMP00000166027 antibody OTTHUMP00000225441 antibody RTVL H protein antibody Vitamin D dependent calcium binding protein antibody Vitamin D dependent calcium binding protein avian type antibody Vitamin D dependent calcium binding protein avian-type antibody Vitamin D-dependent calcium-binding protein antibody</p>
Gene ID:	793
UniProt:	P05937

Application Details

Application Notes:	<p>WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Rat, Predicted Species: Human, The detection limit for Calbindin is approximately 0.25 ng/lane under reducing conditions.</p> <p>IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Mouse, Rat, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.</p> <p>Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities. Other applications have not been tested. Optimal dilutions should be determined by end users.</p>
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).
Restrictions:	For Research Use only

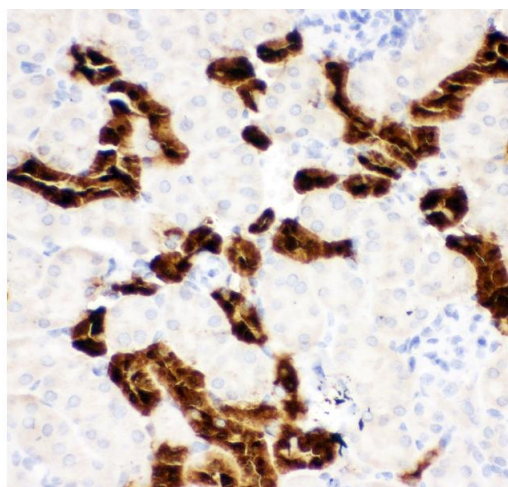
Handling

Format:	Lyophilized
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Handling

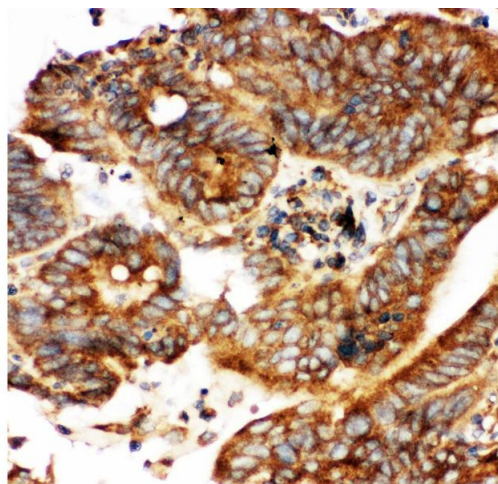
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	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.

Images



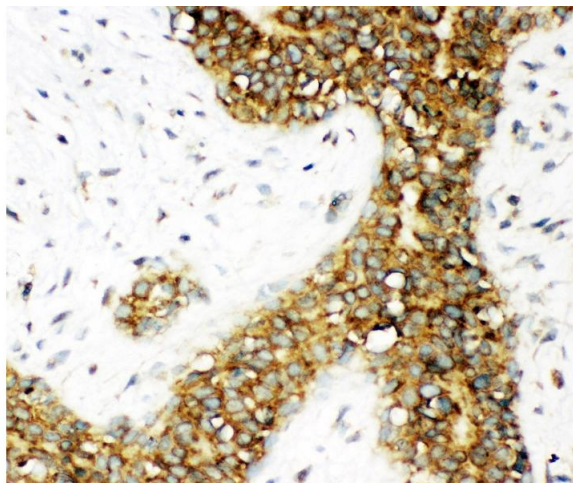
Immunohistochemistry

Image 1. Anti-Calbindin Picoband antibody, IHC(P): Mouse Kidney Tissue



Immunohistochemistry

Image 2. Anti-Calbindin Picoband antibody, IHC(P): Human Intestinal Cancer Tissue



Immunohistochemistry

Image 3. Anti-Calbindin Picoband antibody, IHC(P): Human Mammary Cancer Tissue

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN3043771.