

Datasheet for ABIN6936561
anti-CALB1 antibody (AA 7-96)



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Overview

Quantity:	100 µg
Target:	CALB1
Binding Specificity:	AA 7-96
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CALB1 antibody is un-conjugated
Application:	ELISA, Coating (Coat), Immunohistochemistry (Formalin-fixed Sections) (IHC (f))

Product Details

Immunogen:	Recombinant fragment (around aa 7-96) of human CALB1 protein (exact sequence is proprietary)
Clone:	CALB1-2782
Isotype:	IgG2b kappa
Specificity:	The family of EF-hand type Ca ²⁺ -binding proteins includes Calbindin D28K, Calbindin D9K, S-100 (also designated oncomodulin). Calbindin D28K, also known as calbindin, CALB1, D-28K or vitamin D-dependent calcium-binding protein, is a 261-amino acid protein with 6 EF-hand domains, 4 of which are active calcium-binding domains. Expressed in brain, ovary, uterus, testis, pancreas, liver, kidney and intestine, Calbindin D28K acts as a calcium-buffering agent and alters the activity of the plasma membrane ATPase. In neuronal cells, Calbindin D28K modulates calcium channel activity, calcium transients and intrinsic neuronal firing activity.

Product Details

Also, Calbindin D28K has been implicated to play a role in apoptosis and microtubule function.

Cross-Reactivity (Details): Human.

Purification: 1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

Target Details

Target: CALB1

Alternative Name: CALB1 ([CALB1 Products](#))

Background: Avian-type, CAB27, CALB 1, CALB, CALB1, CALB1_HUMAN, Calbindin 1 28 kDa, Calbindin, Calbindin D28, D 28K, D-28K, D28K, OTTHUMP00000166027, OTTHUMP00000225441, RTVL H protein, Vitamin D dependent calcium binding protein, Vitamin D dependent calcium binding protein avian type, Vitamin D-dependent calcium-binding protein, Calbindin 1 (CALB1)
Cellular localisation: Nuclear and Cytoplasmic

Molecular Weight: 52kDa

Gene ID: 793, 65425

UniProt: [P05937](#)

Application Details

Application Notes: Known_Application: ELISA (For coating, order antibody without BSA), Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes), Optimal dilution for a specific application should be determined.
Positive_Control: 293T or HepG2 cells. Prostate, Lung, Pancreas, Kidney and Liver.

Restrictions: For Research Use only

Handling

Concentration: 1.0 mg/mL

Buffer: Prepared in 10 mM PBS, WITHOUT BSA and Azide.

Preservative: Azide free

Storage: -20 °C, -80 °C

Handling

Storage Comment:	Antibody without azide store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous.
Expiry Date:	24 months