Datasheet for ABIN7650298

anti-CALB1 antibody (AA 7-96) (Biotin)

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Overview

Quantity:	100 µL
Target:	CALB1
Binding Specificity:	AA 7-96
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CALB1 antibody is conjugated to Biotin
Application:	Please inquire

Product Details

Purpose:	Calbindin 1 (CALB1)(CALB1/2364), Biotin conjugate
Immunogen:	Recombinant fragment (around aa 7-96) of human CALB1 protein
Clone:	CALB1-2364
Isotype:	IgG1, kappa
Characteristics:	Calbindin 1, also known as calbindin D28K, is a member of a family of calcium binding proteins. This protein family also includes calmodulin, calbindin 2, S-100, and troponin C. Calbindin 1 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 1 acts as a calcium-buffering agent and alters the activity of the plasma membrane ATPase. In neuronal cells, calbindin 1 modulates calcium channel activity, calcium transients and intrinsic neuronal firing activity. Also, calbindin 1 has been implicated to play a role in apoptosis and

Product Details

	microtubule function. Primary antibodies are available purified, or with a selection of fluorescent CF® Dyes and other labels. CF® Dyes offer exceptional brightness and photostability. Note: Conjugates of blue fluorescent dyes like CF®405S and CF®405M are not recommended for detecting low abundance targets, because blue dyes have lower fluorescence and can give higher non-specific background than other dye colors.

Target Details

Target:	CALB1
Alternative Name:	Calbindin 1
Background:	Synonyms: Calbindin, Calbindin 1, Calbindin D28, Calbindin D28K, CALB1, Vitamin D dependent calcium binding protein Gene Symbol: CALB1
Molecular Weight:	52 kDa
Gene ID:	793
UniProt:	P05937

Application Details

Application Notes:	For coating for ELISA, order Ab without BSA. Higher concentration may be required for direct detection using primary antibody conjugates than for indirect detection with secondary antibody. Optimal dilution and staining procedure for a specific application should be determined by user. Recommended starting concentrations for titration are 1-2 µg/mL for most applications, or 1 µg/million cells/100 µLfor flow cytometry
Comment:	Positive Control: 293T or HepG2 cells. Prostate, Lung, Pancreas, Kidney and Liver.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.1 mg/mL
Buffer:	PBS, 0.1 % BSA, 0.05 % azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

	should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Stable at room temperature or 37°C for 7 days. Store at 2 to 8°C. Protect fluorescent conjugates from light
Expiry Date:	24 months

