

Datasheet for ABIN7650285

anti-CALB1 antibody (AA 7-96) (CF®647)



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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 CF®647
Application:	Immunohistochemistry (IHC), Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections) (IHC (fp))

Product Details

Purpose:	Calbindin 1 (CALB1)(CALB1/3333), CF647 conjugate
Immunogen:	Recombinant fragment (around aa 7-96) of human CALB1 protein
Clone:	CALB1-3333
Isotype:	IgG2b, 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

Product Details

neuronal firing activity. Also, calbindin 1 has been implicated to play a role in apoptosis and 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:	Optimal working dilution should be determined by the investigator.
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 should be handled by trained staff only.
Handling Advice:	Protect from light

Handling

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