

Datasheet for ABIN7650318

anti-Calretinin antibody (AA 23-242) (CF®647)



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Overview

Quantity:	100 µL
Target:	Calretinin (CALB2)
Binding Specificity:	AA 23-242
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Calretinin antibody is conjugated to CF®647
Application:	Immunohistochemistry (IHC), Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections) (IHC (fp))

Product Details

Purpose:	Calretinin / Calbindin 2 (Mesothelioma Marker)(CALB2/2603), CF647 conjugate
Immunogen:	Recombinant human Calretinin (Calbindin 2) protein fragment (around aa23-242)
Clone:	CALB2-2603
Isotype:	IgG1, kappa
Characteristics:	Calretinin (also known as Calbindin 2) is a member of the troponin C superfamily. Proteins in this family have 6 EF-hand domains which bind to calcium. Calretinin is a vitamin D-dependent calcium-binding protein involved in calcium signaling. It is present in subsets of neurons throughout the brain and spinal chord, including sensory ganglia. Antibodies to calretinin are useful in differentiating mesothelioma from adenocarcinomas of the lung. They can also aid in differentiating adrenal cortical neoplasms from pheochromocytomas. Primary antibodies are

Product Details

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:	Calretinin (CALB2)
Alternative Name:	Calbindin 2
Background:	Synonyms: Calretinin, Calbindin 2, CAB29, CAL2, CALB2, Calbindin D29K Gene Symbol: CALB2 Tissue Expression: Neurons
Molecular Weight:	29 kDa
Gene ID:	794
UniProt:	P22676

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	Positive Control: Brain, Testis or Mesothelioma.
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
Storage:	4 °C

Handling

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