

For Research Use Only

Biotin-conjugated Calretinin Monoclonal antibody



Catalog Number: Biotin-66496

Basic Information

Catalog Number:

Biotin-66496

GenBank Accession Number:

BC015484

Purification Method:

Protein G purification

Size:

100UL, Concentration: 1000 µg/ml by 794

GeneID (NCBI):

794

CloneNo.:

2D7A9

Bradford method using BSA as the standard;

Full Name:

calbindin 2

Recommended Dilutions:

IHC 1:50-1:500

Source:

Mouse

Calculated MW:

29 kDa

Isotype:

IgG1

Immunogen Catalog Number:

AG2924

Applications

Tested Applications:

IHC, ELISA

Positive Controls:

IHC : human brain tissue,

Species Specificity:

Human, mouse, pig, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

Calbindin 2 (calretinin), is an intracellular calcium-binding protein belonging to the troponin C superfamily. Members of this protein family have six EF-hand domains which bind calcium. This protein plays a role in diverse cellular functions, including message targeting and intracellular calcium buffering. It also functions as a modulator of neuronal excitability, and is a diagnostic marker for some human diseases, including Hirschsprung disease and some cancers. Calretinin is a useful marker for differentiating malignant mesothelioma from carcinomas.

Storage

Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 0.1% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

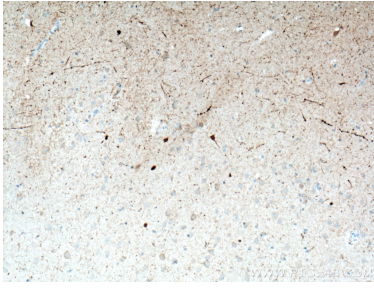
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

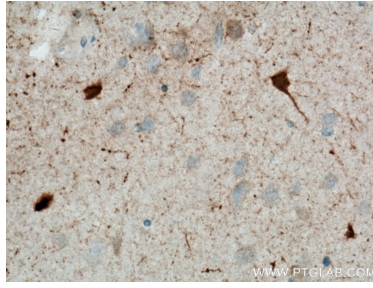
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human brain tissue slide using Biotin-66496 (Calretinin antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human brain tissue slide using Biotin-66496 (Calretinin antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).