

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: 1000 µg/ml	GeneID (NCBI): 794	CloneNo.: 2D7A9
Source: Mouse	UNIPROT ID: P22676	Recommended Dilutions: IHC 1:50-1:500
Isotype: IgG1	Full Name: calbindin 2	
Immunogen Catalog Number: AG2924	Calculated MW: 29 kDa	

Applications

Tested Applications: IHC	Positive Controls: IHC : human brain tissue, mouse 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.

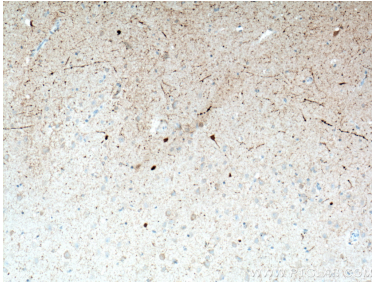
Storage

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

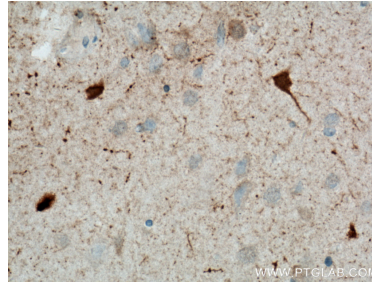
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

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)).