

For Research Use Only

# Biotin-conjugated Calretinin Monoclonal antibody

Catalog Number: Biotin-66496



## Basic Information

<b>Catalog Number:</b> Biotin-66496	<b>GenBank Accession Number:</b> BC015484	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 794	<b>CloneNo.:</b> 2D7A9
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P22676	<b>Recommended Dilutions:</b> IHC 1:50-1:500
<b>Isotype:</b> IgG1	<b>Full Name:</b> calbindin 2	
<b>Immunogen Catalog Number:</b> AG2924	<b>Calculated MW:</b> 29 kDa	

## Applications

<b>Tested Applications:</b> IHC	<b>Positive Controls:</b> IHC : human brain tissue, mouse brain tissue
<b>Species Specificity:</b> Human, mouse, pig, rat	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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.

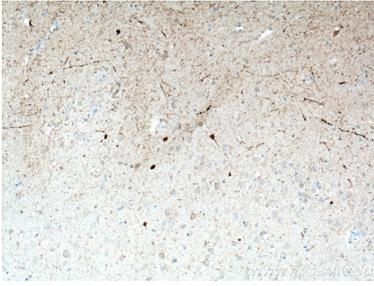
## Storage

**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

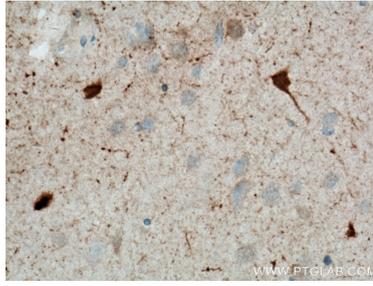
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
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## Selected Validation Data



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)).