

For Research Use Only

CA8 Recombinant antibody, PBS Only

Catalog Number: 86004-1-PBS



Basic Information

Catalog Number: 86004-1-PBS	GenBank Accession Number: BC015531	Purification Method: Protein A purification
Concentration: 1 mg/ml	GeneID (NCBI): 767	CloneNo.: 250429B8
Source: Rabbit	UNIPROT ID: P35219	
Isotype: IgG	Full Name: carbonic anhydrase VIII	
Immunogen Catalog Number: AG3068	Calculated MW: 290 aa, 32 kDa	

Applications

Tested Applications:
IHC, Indirect ELISA
Species Specificity:
human, mouse

Background Information

The CA8 (CARP) gene encodes carbonic anhydrase VIII, which is part of a family of zinc metalloenzyme. CA8 has a central carbonic anhydrase motif, but it lacks carbonic anhydrase activity due to absence of catalytic zinc coordinating residues (PMID:2121526). CARP is a novel IP3R1-binding protein, and is expressed in Purkinje cells abundantly. CA8 is co-localized with IP3R1 in Purkinje cells and it binds to IP3R1, reducing the affinity of the receptor for its ligand, IP3 (PMID:12611586). Defects in CA8 are the cause of cerebellar ataxia mental retardation and dysequilibrium syndrome type 3 (CMARQ3) (PMID:19461874).

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS only, pH7.3

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

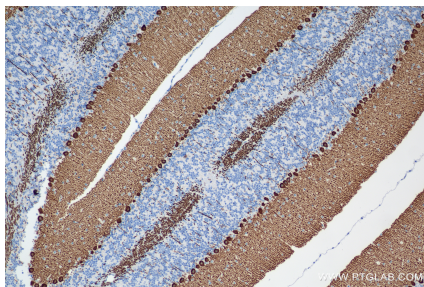
T: 4006900926

E: Proteintech-CN@ptglab.com

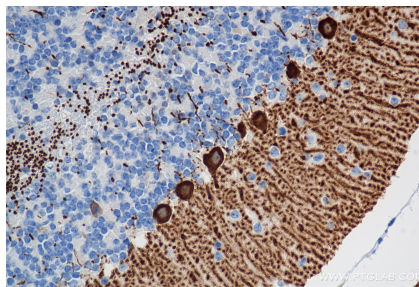
W: ptgcn.com

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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded Mouse cerebellum tissue slide using 86004-1-RR (CA8 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 86004-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded Mouse cerebellum tissue slide using 86004-1-RR (CA8 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 86004-1-PBS in a different storage buffer formulation.