

For Research Use Only

CHAT Monoclonal antibody, PBS Only

Catalog Number: 66816-1-PBS



Basic Information

Catalog Number: 66816-1-PBS	GenBank Accession Number: BC130617	Purification Method: Protein A purification
Size: 1mg/ml	GeneID (NCBI): 1103	CloneNo.: 1F7A9
Source: Mouse	UNIPROT ID: P28329	
Isotype: IgG2b	Full Name: choline acetyltransferase	
Immunogen Catalog Number: AG19602	Calculated MW: 748 aa, 83 kDa	
	Observed MW: 67-71 kDa	

Applications

Tested Applications:
WB, IHC, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

CHAT (choline acetyltransferase) belongs to the carnitine/choline acetyltransferase family. It catalyzes the reversible synthesis of acetylcholine (ACh) from acetyl CoA and choline at cholinergic synapses. Defects in CHAT are the cause of congenital myasthenic syndrome with episodic apnea (CMSEA). CHAT is known to be present exclusively in the cytoplasm of cholinergic neurons and anti-CHAT antibody has been considered as the best marker for cholinergic neurons.

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

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

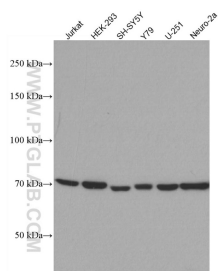
T: 4006900926

E: Proteintech-CN@ptglab.com

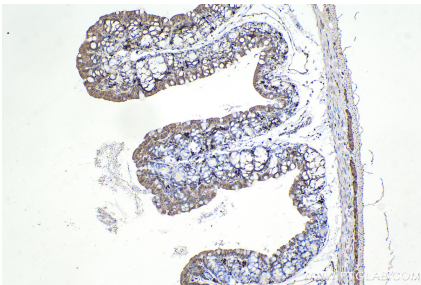
W: ptgcn.com

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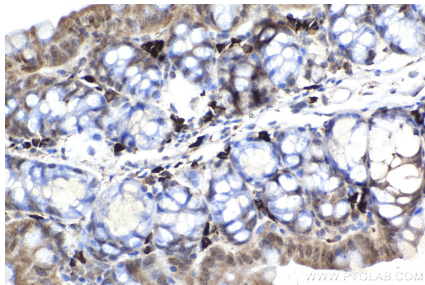
Selected Validation Data



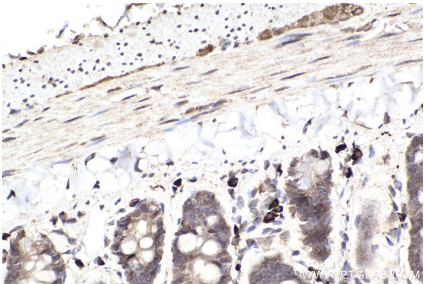
Various lysates were subjected to SDS PAGE followed by western blot with 66816-1-Ig (CHAT antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66816-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse small intestine tissue slide using 66816-1-Ig (CHAT antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66816-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse small intestine tissue slide using 66816-1-Ig (CHAT antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66816-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded rat small intestine tissue slide using 66816-1-Ig (CHAT antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66816-1-PBS in a different storage buffer formulation.