For Research Use Only

## CHAT Polyclonal antibody

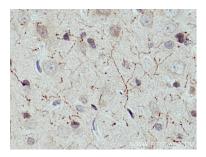
Catalog Number:24418-1-AP 3 Publications



Basic Information	Catalog Number: 24418-1-AP	GenBank Accession Number: BC 130617		Purification Method: Antigen affinity purification
	Size:	GeneID (NCBI):		Recommended Dilutions:
	550 μg/ml	1103		WB 1:500-1:2000
	Source: Rabbit	UNIPROT ID: P28329 Full Name: choline acetyltransferase		IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:50-1:500 IF 1:50-1:500
	Isotype: IgG			
	Immunogen Catalog Number: AG19550	Calculated MW: 748 aa, 83 kDa		
		Observed MW: 60-66 kDa, 45 kDa		
Applications	Tested Applications:			
	IF/ICC, IHC, IP, WB,ELISA WB: rat b Cited Applications: brain tiss		ain tissue, human placenta tissue, mouse Ie	
	IF IP : rat br			
	Species Specificity:	pecies Specificity:		rain tissue, mouse brain tissue
	human, rat, mouse	IF : mouse brain tissue,		
	Cited Species: The mode bitmassic, mouse			
	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	reversible synthesis of acetylchol are the cause of congenital myasi exclusively in the cytoplasm of cl for cholinergic neurons. It has bee	ine (ACh) from acety henic syndrome with nolinergic neurons ar n observed that CHA	/l CoA and choline h episodic apnea ( nd anti-CHAT anti .T gene generates	CMSEA). CHAT is known to to be present body has been considered as the best man
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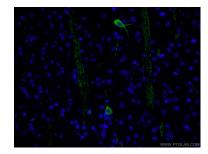
## Selected Validation Data



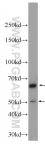
Immunohistochemical analysis of paraffinembedded rat brain tissue slide using 24418-1-AP (CHAT antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

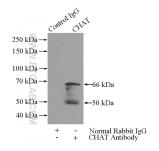


Immunohistochemical analysis of paraffinembedded rat brain tissue slide using 24418-1-AP (CHAT antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using 24418-1-AP (CHAT antibody) at dilution of 1:50 and Alexa Fluor 488conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).





rat brain tissue were subjected to SDS PAGE followed by western blot with 24418-1-AP (CHAT Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.

IP result of anti-CHAT (IP:24418-1-AP, 4ug; Detection:24418-1-AP 1:300) with rat brain tissue lysate 4000ug.