SunLong Biotech Co.,LTD
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[Primary Antibody]

Recombinant Rabbit Anti-CHAT Monoclonal Antibody

Catalog Number: SLA1122M

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Mouse
Isotype:	IgG1, Kappa
Clonality:	Monoclonal
Clone No.:	8B6
GeneID:	12647
SWISS:	Q03059
Target:	CHAT
Immunogen:	KLH conjugated synthetic peptide derived from mouse ChAT
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20℃ for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB (1:500-2000) IHC-P (1:200-800) IHC-F (1:200-800) IF (1:200-800) Not yet tested in other applications. Optimal working dilutions must be determined by the end user.
Reactivity:	Mouse,Rat
Predicted MW.:	82 kDa
Subcellular Location:	Nucleus
Background:	This gene encodes an enzyme which catalyzes the biosynthesis of the neurotransmitter acetylcholine. This gene product is a characteristic feature of cholinergic neurons, and changes in these neurons may explain some of the symptoms of Alzheimer's disease. Polymorphisms in this gene have been associated with Alzheimer's disease and mild cognitive impairment. Mutations in this gene are associated with congenital myasthenic syndrome associated with episodic apnea. Multiple transcript variants encoding different isoforms have been found for this gene, and some of these variants have been shown to

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	encode more than one isoform. [provided by RefSeq, May 2010].

[VALIDATION IMAGES]

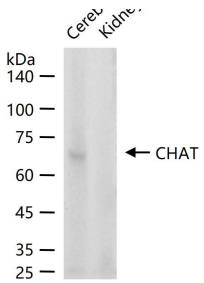


Figure 1. 25 ug total protein per lane of various lysates (see on figure) probed with CHAT monoclonal antibody, unconjugated (SLA1122M) at 1:2000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.

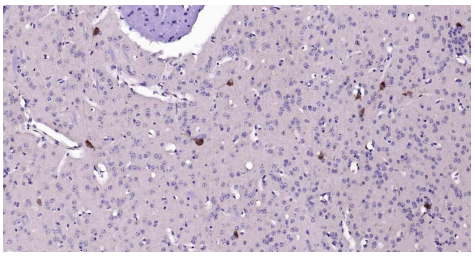


Figure 2. Paraformaldehyde-fixed, paraffin embedded Mouse Cerebrum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with CHAT Monoclonal Antibody, Unconjugated(SLA1122M) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Mouse, sp-0024)and DAB (C-0010) staining.

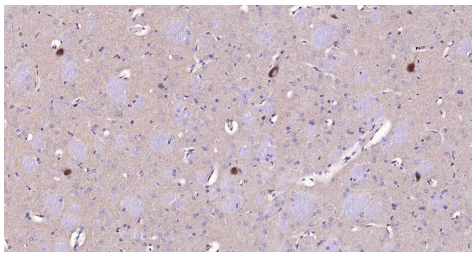


Figure 3. Paraformaldehyde-fixed, paraffin embedded Rat Cerebrum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with CHAT Monoclonal Antibody, Unconjugated(SLA1122M) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Mouse, sp-0024)and DAB (C-0010) staining.
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