Product datasheet

Anti-CHAT Antibody (Clone#ABBO-3)

Catalog Number: *BM5100*

BOSTER®
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
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Basic Information

Product Name	Anti-CHAT Antibody (Clone#ABBO-3)
Gene Name	CHAT
Source	Rabbit
Clonality	Monoclonal
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB, IHC, ICC/IF, IP, FCM
Contents	500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide, 0.4-0.5 mg/ml BSA and 50% glycerol.
Immunogen	A synthesized peptide derived from human CHAT
Concentration	500 ug/ml
Purification	Affinity-chromatography
Observed MW	83 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-200 Immunocytochemistry/Immunofluorescence (ICC/IF):1:50-200 ImmunoPrecipitation (IP): 1:50 Flow Cytometry (FCM): 1:50

Storage

12 months from date of receipt，-20℃ as supplied.

Background Information

Choline acetyltransferase (commonly abbreviated as°ChAT,but sometimes°CAT) is a transferase enzyme responsible for the synthesis of the neurotransmitter acetylcholine. In humans,the choline acetyltransferase enzyme is encoded by the°CHAT gene. 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 encode more than one isoform.

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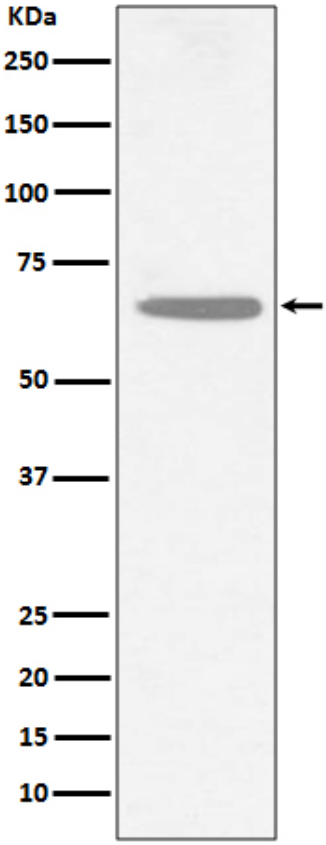
Reference

Anti-CHAT Antibody (Clone#ABBO-3)被引用在1文献中。

Selected Validation Data



Western blot analysis of CHAT expression in SH-SY5Y cell lysate.