

Anti-CHAT/Choline Acetyltransferase Rabbit Monoclonal Antibody

Catalog Number: M01192

About CHAT

Activated by icilin, eucalyptol, menthol, cold and modulation of intracellular pH. Involved in menthol sensation. Permeable for monovalent cations sodium, potassium, and cesium and divalent cation calcium.

Overview

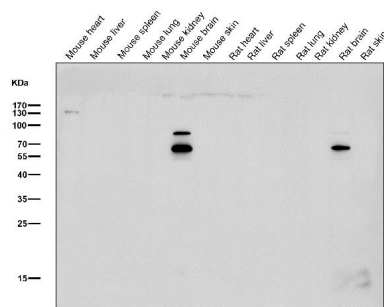
Product Name	Anti-CHAT/Choline Acetyltransferase Rabbit Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-CHAT/Choline Acetyltransferase Rabbit Monoclonal Antibody catalog # M01192. Tested in WB, IHC, ICC/IF, IP, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.
Application	Flow Cytometry, IP, IF, IHC, ICC, WB
Clonality	Monoclonal ABBO-3
Formulation	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P28329

Technical Details

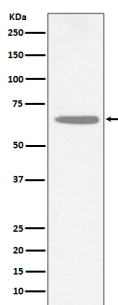
Immunogen	A synthesized peptide derived from human CHAT
Isotype	Rabbit IgG
Form	Liquid
Concentration	Actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.
Purification	Affinity-chromatography
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used:

	WB 1:500-1:2000 IHC 1:50-1:200 ICC/IF 1:50-1:200 IP 1:50 FC 1:50
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Anti-CHAT/Choline Acetyltransferase Rabbit Monoclonal Antibody (M01192) Images



All lanes use the Antibody at 1:2K dilution for 1 hour at room temperature.



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

4 Publications Citing This Product

1. PubMed ID: 26509167, Overexpression of NTRK1 Promotes Differentiation of Neural Stem Cells into Cholinergic Neurons
2. PubMed ID: 18983683, Chemokine CXCL12 and its receptor CXCR4 expression are associated with perineural invasion of prostate cancer
3. PubMed ID: 28102288, Yu H, Xia H, Tang Q, Xu H, Wei G, Chen Y, Dai X, Gong Q, Bi F. Sci Rep. 2017 Jan 19;7:40802. doi: 10.1038/srep40802. Acetylcholine acts through M3 muscarinic receptor to activate the EGFR signaling and promotes gastric cancer cell proliferation

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