

Product Datasheet

Choline Acetyltransferase/ChAT Antibody NB100-40794

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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NB100-40794**Choline Acetyltransferase/ChAT Antibody**

Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

Product Description	
Host	Goat
Gene ID	1103
Gene Symbol	CHAT
Species	Mouse
Reactivity Notes	Expected from sequence similarity: Rat
Marker	Cholinergic Neuronal Marker
Specificity/Sensitivity	This antibody is NOT expected to cross-react to Human CHAT.
Immunogen	Peptide with sequence C-KERARGPTKPSNLD corresponding to C-Terminus according to Uniprot Mouse NP_034021.1.

Product Application Details	
Applications	Western Blot, Immunohistochemistry, Peptide ELISA
Recommended Dilutions	Western Blot 0.2 - 0.5 ug/mL, Immunohistochemistry 0.1 - 0.3ug/mL, Peptide ELISA Detection limit 1:32000
Application Notes	WB: Approx. 75-80 kDa band observed in mouse and rat brain lysates (calculated MW of 72.3 kDa band according to NP_034021.1).

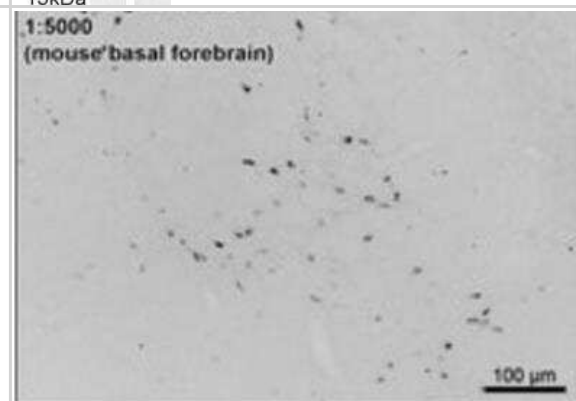


Images

Western Blot: Choline Acetyltransferase/ChAT Antibody [NB100-40794] - Staining of mouse (A) and rat (B) brain lysate. Antibody at 1 ug/mL, 35 ug protein in RIPA buffer. Detected by chemiluminescence.



Immunohistochemistry: Choline Acetyltransferase/ChAT Antibody [NB100-40794] - Staining of PFA-perfused cryosection of Mouse Basal Forebrain. HRP-staining with Ni-DAB after Biotin-SP-antigoat amplification. Data obtained by Prof. Erik Hrabovszky, Inst, Exp, Med., Budapest, Hungary.



Publications

Contestabile A, Fila T, Bartesaghi R et al. Choline acetyltransferase activity at different ages in brain of Ts65Dn mice, an animal model for Down's syndrome and related neurodegenerative diseases. *J Neurochem* 2006-04-01 [PMID: 16539660]



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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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