

Product datasheet for BA127

CHAT Rat Protein

Product data:

Product Type:	Recombinant Proteins
Description:	CHAT rat recombinant protein, 10 µg
Species:	Rat
Expression Host:	E. coli
Concentration:	lot specific
Buffer:	State: Liquid Buffer System: Phosphate buffered Saline with 10% Glycerol as stabilizer.
Preparation:	Liquid
Applications:	Immunohistochemistry on Frozen Sections: For use in blocking the staining of antibodies to Choline Acetyltransferase (BP348). Suggested concentrations 2-5 µg/ml; The antigen should be incubated with the antibody for 3 hours at 4°C before being used on tissue sections.
Protein Description:	Recombinant Purified Rat Choline Acetyltransferase.
Storage:	The protein can be shipped at 2-8°C. Store (in aliquots) at -20°C only. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001164064
Locus ID:	290567
UniProt ID:	A0A0G2JYQ6
Cytogenetics:	16p16
Summary:	Choline acetyltransferase (ChAT) catalyzes the synthesis of the neurotransmitter acetylcholine (ACh) from choline and acetyl-CoA in cholinergic neurons. ChAT serves as a specific marker for cholinergic neurons in both peripheral and central nervous systems. Dysfunction of cholinergic neurons underlies aspects of clinical symptoms found in neurological and psychiatric disorders such as Alzheimer's disease, Down and Rett syndromes. Choline acetyltransferase recruits choline for the synthesis of acetylcholine at preganglionic parasympathetic and sympathetic fibres. It is also present at parasympathetic postganglionic fibres.



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