



Mouse Anti-Human CHAT Monoclonal Antibody (DPABH-25539)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	Recombinant Protein, antigen sequence: GLFSSYRLPGHTQDTLVAQNSSIMPEPEHVIVACCNQFFVLDVVINFRRLSEGDLFTQLR KIVKMASNEDERLPPIGLLTSDGRSEWAEARTVLVKDSTN
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human, Rat, Mouse
Purification	Protein A purified
Conjugate	Unconjugated
Applications	IHC
Format	Liquid
Size	100 µl
Buffer	40% glycerol and PBS (pH 7.2).
Preservative	0.02% Sodium Azide
Storage	Store at +4°C for short term storage. Long time storage is recommended at -20°C. Gently mix before use. Optimal concentrations and conditions for each application should be determined by the user.

BACKGROUND

Introduction

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 Alzheimers disease. Polymorphisms in this gene have been associated with Alzheimers 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.
[provided by RefSeq, May 2010]

Keywords

CHAT; choline O-acetyltransferase; CMS1A; CMS1A2; CHOACTASE; choline acetylase; acetyl CoA:choline O-acetyltransferase;

GENE INFORMATION

Entrez Gene ID

[1103](#)

UniProt ID

[P28329](#)