



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

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

## PRODUCT INFORMATION

<b>Immunogen</b>	Recombinant Protein, antigen sequence: GLFSSYRLPGHTQDTLVAQNSSIMPEPEHVIVACCNQFFVLDVVINFRRLSEGDLFTQLR KIVKMASNEDERLPPIGLLTSDGRSEWAEARTVLVKDSTN
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human, Rat, Mouse
<b>Purification</b>	Protein A purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	IHC
<b>Format</b>	Liquid
<b>Size</b>	100 µl
<b>Buffer</b>	40% glycerol and PBS (pH 7.2).
<b>Preservative</b>	0.02% Sodium Azide
<b>Storage</b>	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](#)