

Recombinant

DGRmAb®

## Choline Acetyltransferase (DGR14362) Rabbit mAb

db13806

Package : 10µL 20µL 50µL 100µL

**Product Name** : Choline Acetyltransferase (DGR14362) Rabbit mAb

**Cat.No.:** db13806

**Synonyms** : CMS6; CMS1A; CMS1A2; CHOACTASE

**Application** : WB, IHC-P, ICC/IF, FC, IP

**Reactivity** : Human,Mouse,Rat

**Host species** : Rabbit

### Background

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 Alzheimer's disease. Polymorphisms in this gene have been associated with Alzheimer's 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]

### Immunogen

A synthetic peptide of human Choline Acetyltransferase

### Gene ID

1103

### Swiss Prot

P28329

### Synonyms

CMS6; CMS1A; CMS1A2; CHOACTASE

### Reactivity

Human,Mouse,Rat

### Application

WB, IHC-P, ICC/IF, FC, IP

### Recommended dilution

WB: 1:1000-1:5000

IHC-P: 1:200-1:2000

ICC/IF: 1:50-1:100

FC: 1:50-1:100

IP: 1:20-1:100

### Calculated MW

82 kDa

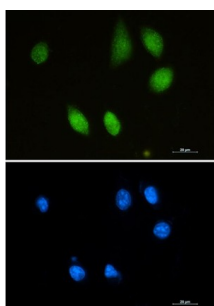
### Observed MW

71 kDa

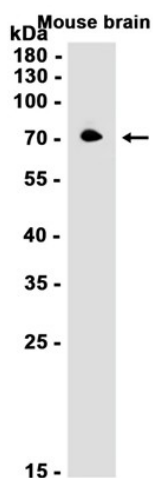
### Host species

Rabbit

<b>Clonality</b>	Monoclonal
<b>Clonality No.</b>	DGR14362
<b>Isotype</b>	IgG
<b>Purity</b>	Affinity Purification
<b>Conjugation</b>	Un-conjugated
<b>Storage Stability</b>	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



Immunofluorescent analysis of SH-SY5Y cells using db13806 antibody (green), and DAPI (blue).



Western blot analysis of extracts from Mouse brain tissue using db13806 at 1:1000.