

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

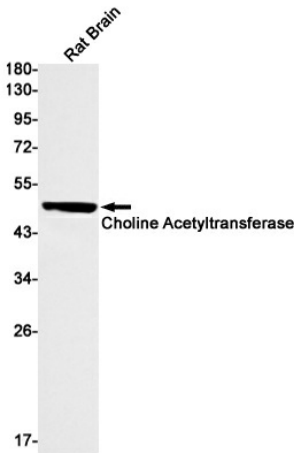
**Observed MW**

71 kDa

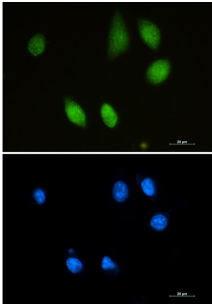
**Host species**

Rabbit

Clonality	Monoclonal
Clonality No.	DGR14362
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	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.



Western blot detection of Choline Acetyltransferase in Rat Brain lysates using Choline Acetyltransferase antibody(1:1000 diluted).



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