

# CACNG2 Rabbit pAb

Catalog No.: A6537

## Basic Information

### Observed MW

36kDa

### Calculated MW

36kDa

### Category

Primary antibody

### Applications

ELISA, WB

### Cross-Reactivity

Mouse, Rat

## Background

The protein encoded by this gene is a type I transmembrane AMPA receptor regulatory protein (TARP). TARPs regulate both trafficking and channel gating of the AMPA receptors. The AMPA subtype of ionotropic glutamate receptors are ligand gated ion channels that are typically activated by glutamate released from presynaptic neuron terminals and mediate fast neurotransmission in excitatory synapses. TARPs thus play an important role in synaptic plasticity, learning and memory. Mutations in this gene cause an autosomal dominant form of cognitive disability.

## Recommended Dilutions

WB 1:500 - 1:2000

## Immunogen Information

### Gene ID

10369

### Swiss Prot

Q9Y698

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 204-323 of human CACNG2 (NP\_006069.1).

### Synonyms

MRD10; CACNG2

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

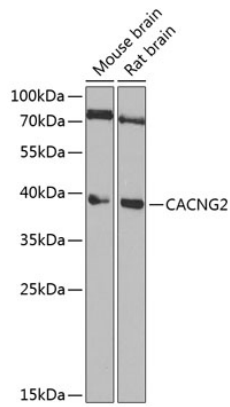
### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

## Validation Data

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Western blot analysis of extracts of various cell lines, using CACNG2 Antibody (A6537) at 1:1000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 10s.