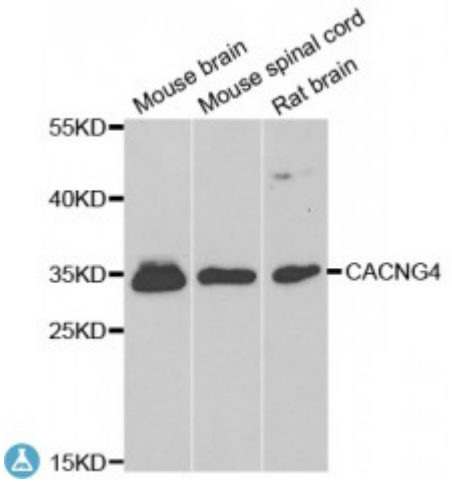
Anti-CACNG4 Antibody



Description	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. This gene is part of a functionally diverse eight-member protein subfamily of the PMP-22/EMP/MP20 family and is located in a cluster with two family members, a type II TARP and a calcium channel gamma subunit.

Model	STJ116053
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	IF, WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 208-327 of human CACNG4 (NP_055220.1).
Gene ID	27092
Gene Symbol	CACNG4
Dilution range	WB 1:500 - 1:2000 IF 1:50 - 1:200
Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	Voltage-dependent calcium channel gamma-4 subunit Neuronal voltage-gated calcium channel gamma-4 subunit Transmembrane AMPAR regulatory protein gamma-4 TARP gamma-4
Molecular Weight	36.579 kDa

Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:1408OMIM:606404Reactome:R-HSA-112308
Alternative Names	Voltage-dependent calcium channel gamma-4 subunit Neuronal voltage-gated calcium channel gamma-4 subunit Transmembrane AMPAR regulatory protein gamma-4 TARP gamma-4
Function	Regulates the trafficking and gating properties of AMPA-selective glutamate receptors (AMPARs), Promotes their targeting to the cell membrane and synapses and modulates their gating properties by slowing their rates of activation, deactivation and desensitization and by mediating their resensitization, Does not show subunit-specific AMPA receptor regulation and regulates all AMPAR subunits, Thought to stabilize the calcium channel in an inactivated (closed) state,
Cellular Localization	Cell membrane