Data Sheet (Cat.No.TMAC-01682)

Anti-GRIA2 Antibody (8K502)

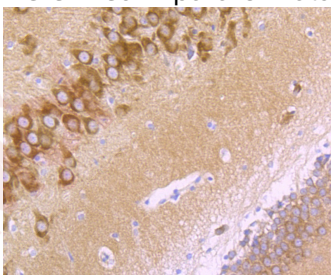
Product Details

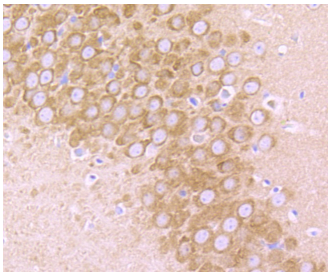
Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 110 kDa.
Clone:	8K502
Purification:	ProA affinity purified

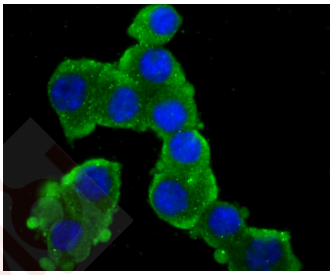
Applications

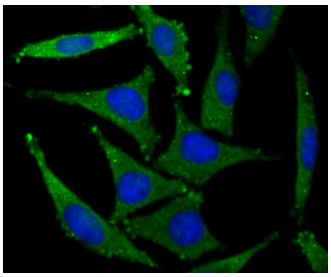
Verified Activity:

1. Immunohistochemical analysis of paraffin-embedded rat brain tissue using anti-GluR2 antibody. Counter stained with hematoxylin.
2. Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-GluR2 antibody. Counter stained with hematoxylin.
3. ICC staining GluR2 in N2A cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
4. ICC staining GluR2 in SH-SY5Y cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.









Application:	ICC,IF,IHC,IP,WB
Recommended	IHC: 1:50-200; ICC: 1:50-200

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein
Uniprot ID:	P42262
Synonyms:	Glutamate receptor 2;GluA2;GluR-K2;GluR-2;GluR-B;AMPA-selective glutamate receptor 2; GRIA2;Glutamate receptor ionotropic, AMPA 2;GLUR2

Research Background

Lonotropic glutamate receptor. L-glutamate acts as an excitatory neurotransmitter at many synapses in the central nervous system. Binding of the excitatory neurotransmitter L-glutamate induces a conformation change, leading to the opening of the cation channel, and thereby converts the chemical signal to an electrical impulse. The receptor then desensitizes rapidly and enters a transient inactive state, characterized by the presence of bound agonist. In the presence of CACNG4 or CACNG7 or CACNG8, shows resensitization which is characterized by a delayed accumulation of current flux upon continued application of glutamate.