

Product datasheet for **TA332468**

GRIK2 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB 1:500 - 1:2000
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant protein of human GRIK2
Formulation:	Store at -20°C (regular) and -80°C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	908
Gene Name:	glutamate ionotropic receptor kainate type subunit 2
Database Link:	NP_786944 Entrez Gene 14806 Mouse Entrez Gene 2898 Human Q13002



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Background:

Glutamate receptors are the predominant excitatory neurotransmitter receptors in the mammalian brain and are activated in a variety of normal neurophysiologic processes. This gene product belongs to the kainate family of glutamate receptors, which are composed of four subunits and function as ligand-activated ion channels. The subunit encoded by this gene is subject to RNA editing at multiple sites within the first and second transmembrane domains, which is thought to alter the structure and function of the receptor complex. Alternatively spliced transcript variants encoding different isoforms have also been described for this gene. Mutations in this gene have been associated with autosomal recessive mental retardation.

Synonyms:

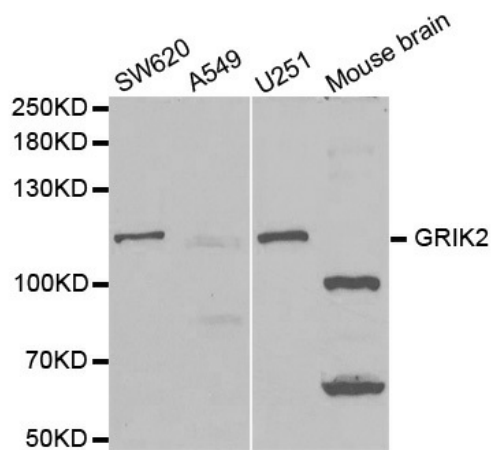
EAA4; GLR6; GluK2; GLUK6; GLUR6; MRT6

Protein Families:

Druggable Genome, Ion Channels: Glutamate Receptors, Transmembrane

Protein Pathways:

Neuroactive ligand-receptor interaction

Product images:

Western blot analysis of extracts of various cell lines, using GRIK2 antibody.