

## Product datasheet for TA305864

### GRIK3 Goat Polyclonal Antibody

#### Product data:

<b>Product Type:</b>	Primary Antibodies
<b>Applications:</b>	WB
<b>Recommended Dilution:</b>	WB: 0.05–0.2ug/ml.
<b>Reactivity:</b>	Rat, Mouse (Expected from sequence similarity: Human, Dog, Cow)
<b>Host:</b>	Goat
<b>Isotype:</b>	IgG
<b>Clonality:</b>	Polyclonal
<b>Immunogen:</b>	Peptide with sequence C-KIRQLPIDSDDSRP, from the internal region of the protein sequence according to NP_000822.2.
<b>Formulation:</b>	0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin
<b>Concentration:</b>	lot specific
<b>Purification:</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide. Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20C. Minimize freezing and thawing.
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store at -20°C as received.
<b>Stability:</b>	Stable for 12 months from date of receipt.
<b>Gene Name:</b>	glutamate ionotropic receptor kainate type subunit 3
<b>Database Link:</b>	<a href="#">NP_000822</a> <a href="#">Entrez Gene 14807 Mouse</a> <a href="#">Entrez Gene 298521 Rat</a> <a href="#">Entrez Gene 608269 Dog</a> <a href="#">Entrez Gene 2899 Human</a> <a href="#">Q13003</a>



**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. It is not certain if the subunit encoded by this gene is subject to RNA editing as the other 2 family members (GRIK1 and GRIK2). A Ser310Ala polymorphism has been associated with schizophrenia, and there are conflicting reports of its association with the pathogenesis of delirium tremens in alcoholics. [provided by RefSeq]

**Synonyms:**

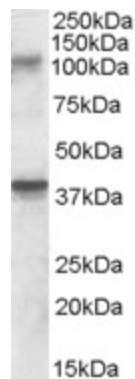
EAA5; GLR7; GluK3; GLUR7; GluR7a

**Protein Families:**

Druggable Genome, Ion Channels: Glutamate Receptors, Transmembrane

**Protein Pathways:**

Neuroactive ligand-receptor interaction

**Product images:**

TA305864 (0.3ug/ml) staining of Rat Brain lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.