

# Datasheet for ABIN3031062

# anti-Glutamate Receptor 3 antibody (AA 29-360)

2 Images



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Overview			
Quantity:	100 μg		
Target:	Glutamate Receptor 3 (GRIA3)		
Binding Specificity:	AA 29-360		
Reactivity:	Human, Rat, Mouse		
Host:	Rabbit		
Clonality:	Polyclonal		
Conjugate:	This Glutamate Receptor 3 antibody is un-conjugated		
Application:	Western Blotting (WB)		
Product Details			
Immunogen:	Human partial recombinant protein (AA 29-360) was used as the immunogen for this		
	Glutamate receptor 3 antibody.		
Isotype:	IgG		
Purification:	Antigen affinity		
Target Details			
Target:	Glutamate Receptor 3 (GRIA3)		
Alternative Name:	Glutamate Receptor 3 (GRIA3 Products)		
Background:	Glutamate receptor 3 is a protein that in humans is encoded by the GRIA3 gene. This gene		
	belongs to a family of alpha-amino-3-hydroxy-5-methyl-4-isoxazole propionate(AMPA)		
	receptors. It is mapped to Xq25. Glutamate receptors are the predominant excitatory		

neurotransmitter receptors in the mammalian brain and are activated in a variety of normal neurophysiologic processes. They are heteromeric protein complexes with multiple subunits, each possessing transmembrane regions, and all arranged to form a ligand-gated ion channel. The classification of glutamate receptors is based on their activation by different pharmacologic agonists.

Gene ID:

2892

Pathways:

PI3K-Akt Signaling, cAMP Metabolic Process, Synaptic Membrane

## **Application Details**

Application Notes:

The stated application concentrations are suggested starting amounts. Titration of the Glutamate receptor 3 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 0.5-1  $\mu$ g/mL

Restrictions:

For Research Use only

#### Handling

Buffer:

0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

Storage:

-20 °C

Storage Comment:

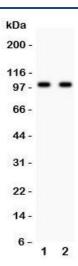
After reconstitution, the Glutamate receptor 3 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

## **Images**



#### **Western Blotting**

**Image 1.** Western blot testing of Glutamate receptor 3 antibody and Lane 1: rat brain



## **Western Blotting**

**Image 2.** Western blot testing of Glutamate receptor 3 antibody and Lane 1: rat brain; 2: mouse brain lysate. Predicted/observed size ~99KD