

**GRIK2 Rabbit mAb[4PU9]**

**Cat NO. :A51743**

**Information:**

| Applications | Reactivity: | UniProt ID: | MW(kDa) | Host   | Isotype | Size             |
|--------------|-------------|-------------|---------|--------|---------|------------------|
| WB,IHC       | H,M,R       | Q13002      | 100kDa  | Rabbit | IgG     | 50ul 100ul,200ul |

**Applications detail:**

| Application  | Dilution    |
|--|-------------|
| WB   | 1:1000-2000 |
| IHC  | 1:100       |
| The optimal dilutions should be determined by the end user |             |

**Conjugate:**

UnConjugate

**Form:**

Liquid

**sensitivity:**

Endogenous

**Purification:**

Protein A purification

**Specificity:**

Antibody is produced by immunizing animals with a synthetic peptide of human GRIK2.

**Storage buffer and conditions:**

Antibody store in 10 mM PBS, 0.5mg/ml BSA, 50% glycerol (buffer) .

Shipped at 4°C. Store at-20°C or -80°C.

Products are valid for one natural year of receipt.Avoid repeated freeze / thaw cycles.

**Tissue specificity:**

Expression is higher in cerebellum than in cerebral cortex.

**Subcellular location:**

Cell membrane,Multi-pass membrane protein. Cell junction, synapse, postsynaptic cell membrane,Multi-pass membrane protein.

**Function:**

**Introduction:** **WB:** Western Blot **IP:** Immunoprecipitation **IHC:** Immunohistochemistry **ChIP:** Chromatin Immunoprecipitation **ICC/IF:** Immunocytochemistry/Immunofluorescence **F:** Flow Cytometry

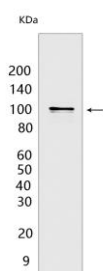
**Cross Reactivity:** **H:** human **M:** mouse **R:** rat **Hm:** hamster **Mk:** monkey **Vir:** virus **Ml:** mink **C:** chicken **Dm** D. melanogaster **X:** Xenopus **Z:** zebrafish **B:** bovine **Dg:** dog **Pg:** pig **Hr:** horse

**For Research Use Only. Not For Use In Diagnostic Procedures.**

Ionotropic 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 (PubMed:28180184). Modulates cell surface expression of NETO2 (By similarity).. Independent of its ionotropic glutamate receptor activity, acts as a thermoreceptor conferring sensitivity to cold temperatures (PubMed:31474366). Functions in dorsal root ganglion neurons (By similarity)..

## Validation Data:

### GRIK2 Rabbit mAb[4PU9] Images



Western blot ( SDS PAGE ) analysis of extracts from  
Mouse brain tissue lysate. Using GRIK2 Rabbit mAb IgG  
[4PU9] at dilution of 1:1000 incubated at 4°C over night.

View more information on <http://naturebios.com>

**IMPORTANT:** For western blots, incubate membrane with diluted primary antibody in 1% w/v Milk, 1X TBST at 4°C overnight.