Product Datasheet

# GluR6 Antibody

Catalog No: #33389

Package Size: #33389-1 50ul #33389-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

## Description

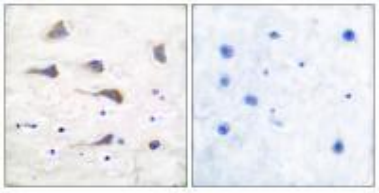
| | |
|---|---|
| Product Name | GluR6 Antibody |
| Host Species | Rabbit |
| Clonality | Polyclonal |
| Purification | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| Applications | WB IHC |
| Species Reactivity | Hu Ms |
| Specificity | The antibody detects endogenous levels of total GluR6 protein. |
| Immunogen Type | Peptide |
| Immunogen Description | Synthesized peptide derived from human GluR6. |
| Target Name | GluR6 |
| Other Names | EAA4; GLR6; MGC74427; bA487F5.1 (glutamate receptor; ionotropic |
| Accession No. | Swiss-Prot: O15303NCBI Gene ID: 2916 |
| Uniprot | O15303 |
| GeneID | 2916; |
| SDS-PAGE MW | 100kd |
| Concentration | 1.0mg/ml |
| Formulation | Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Storage | Store at -20°C |

## Application Details

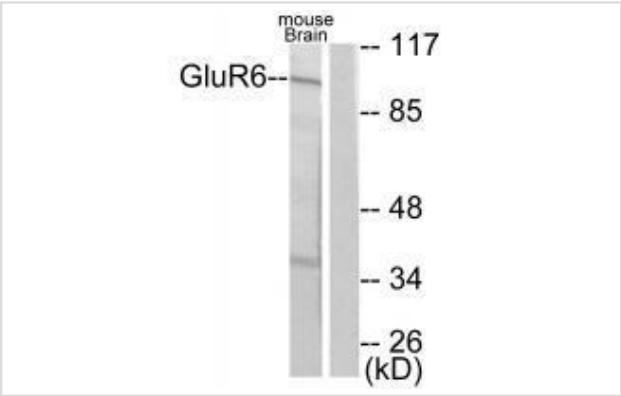
Western blotting: 1:500~1:3000

Immunohistochemistry: 1:50~1:100

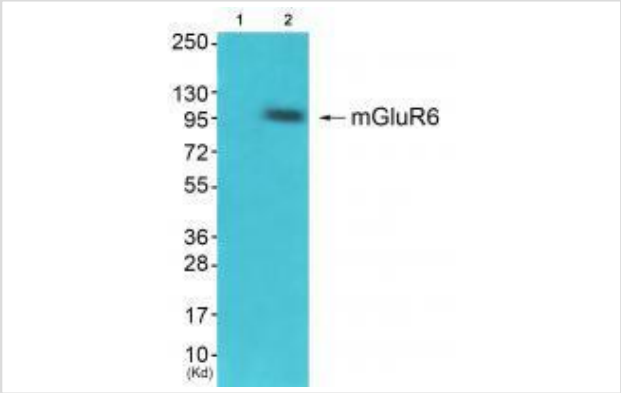
## Images



Immunohistochemical analysis of paraffin-embedded human brain tissue using GluR6 antibody #33389.




Western blot analysis of extracts from mouse brain, using GluR6 antibody #33389.




Western blot analysis of extracts from HepG2 cells (Lane 2), using mGluR6 antiobdy #33389. The lane on the left is treated with synthesized peptide.

## Background

G-protein coupled receptor for glutamate. Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of down-stream effectors, such as adenylate cyclase. Signaling inhibits adenylate cyclase activity By similarity. Signaling stimulates TRPM1 channel activity and Ca2+ uptake. Required for normal vision.

Inga Everts, J. Neurosci., Feb 1999; 19: 916.

Gregory D. Salinas, J. Biol. Chem., Dec 2006; 281: 40164 - 40173.

Sheng Yan, J. Neurosci., Jan 2004; 24: 679.

Xiao-Mei Liu, J. Biol. Chem., Jun 2006; 281: 17432 - 17445.

Note: This product is for in vitro research use only