

Anti-GRID1 Antibody (aa811-860)
Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18044**Specification**

Anti-GRID1 Antibody (aa811-860) - Product Information

Application	WB, IHC-P, E
Primary Accession	Q9ULK0
Predicted	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	112131
Dilution	WB~~1:1000 IHC-P~~N/A E~~N/A

Anti-GRID1 Antibody (aa811-860) - Additional Information**Gene ID** 2894**Alias Symbol** **GRID1**
Other Names
GRID1, GluRdelta 1, GluR delta-1 subunit, KIAA1220**Target/Specificity**
GRID1 antibody detects endogenous levels of GRID1.**Reconstitution & Storage**
Immunoaffinity purified**Precautions**
Anti-GRID1 Antibody (aa811-860) is for research use only and not for use in diagnostic or therapeutic procedures.**Anti-GRID1 Antibody (aa811-860) - Protein Information****Name** GRID1 ([HGNC:4575](#))**Synonyms** KIAA1220**Function**
Member of the ionotropic glutamate receptor family, which plays a crucial role in synaptic organization and signal transduction in the central nervous system. Although it shares structural features with ionotropic glutamate receptors, does not bind glutamate as a primary ligand (PubMed:38060673). Instead, forms trans-synaptic adhesion complexes with presynaptic neurexins and cerebellins, regulating NMDA and AMPA receptor activity and influencing synaptic plasticity through signal

transduction (By similarity). In the presence of neurexins and cerebellins, forms cation-selective channels that are proposed to be gated by glycine and D-serine (By similarity). However, recent research disputes this ligand-gated cation channel activity (PubMed:39052831). Cation-selective ion channel can be triggered by GRM1 in dopaminergic neurons (By similarity). Also acts as a receptor for GABA, modulating inhibitory synaptic plasticity through non- ionotropic mechanisms (PubMed:38060673).

Cellular Location

Postsynaptic cell membrane; Multi-pass membrane protein

Anti-GRID1 Antibody (aa811-860) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-GRID1 Antibody (aa811-860) - Images