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Anti-GRID1 Antibody (aa811-860)

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18044

Product Information

Application	WB, IHC-P, E
Primary Accession	Q9ULK0
Predicted	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	112131

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.

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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.