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[Marker Primary Antibody]

Rabbit Anti-GRINA/Biotin Conjugated antibody

Catalog Number: SL20059R-Bio

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-GRINA/Biotin
Immunogen:	KLH conjugated synthetic peptide derived from human GRINA
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Applications:	WB=1:500-2000 IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse,Rat(predicted:Human,Cow,Rabbit,Sheep)
Background:	background: Glutamate receptors mediate most excitatory neurotransmission in the brain and play an important role in neural plasticity, neural development and neurodegeneration. Ionotropic glutamate receptors are categorized into NMDA receptors and kainate/AMPA receptors, both of which contain glutamate-gated, cation-specific ion channels. Synaptic and extrasynaptic NMDA receptors have been shown to have opposite effects on neuronal survival, CREB function and gene regulation. As one of the four major proteins of the NMDA receptor ion channel, GRINA (Glutamate [NMDA] receptor-associated protein 1), also designated NMDA receptor glutamate-binding subunit or putative MAPK-activating protein PM02, is a 371 amino acid multi-pass transmembrane protein. Due to the chromosomal location of the gene encoding GRINA, studies have linked

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	possible GRINA involvement with a form of idiopathic generalized epilepsy. **Function:** Potential apoptotic regulator. **Subcellular Location:** Membrane; Multi-pass membrane protein (potential). **Similarity:** Belongs to the BI1 family. LFG subfamily. **Database links:** **Entrez Gene:** 2907 Human Omim: 138251 Human **SwissProt:** Q7Z429 Human Important **Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.