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GRINA Rabbit pAb

Catalog # AP96862

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q7Z429
Other Accession	Q7Z429
Reactivity	Rat, Mouse
Predicted	Human, Rabbit, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	41203
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human GRINA
Epitope Specificity	1-100/371
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the BI1 family. LFG subfamily.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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 possible GRINA involvement with a form of idiopathic generalized epilepsy.

Additional Information

Gene ID	2907
Other Names	HNRGW; LFG1; NMDARA1; TMBIM3; LFG1_HUMAN; GRINA; Glutamate [NMDA] receptor-associated protein 1; NMDA receptor glutamate-binding subunit; Putative MAPK-activating protein PM02; Transmembrane BAX inhibitor motif-containing protein 3; glutamate ionotropic receptor NMDA type subunit associated protein 1; glutamate receptor, ionotropic, N-methyl D-aspartate-associated protein 1 (glutamate binding); transmembrane BAX inhibitor motif containing 3; lifeguard 1

Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	GRINA
Synonyms	LFG1, NMDARA1, TMBIM3
Function	Potential apoptotic regulator.
Cellular Location	Membrane; Multi-pass membrane protein

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