GRINA Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	GRINA, Polyclonal Antibody
Full Product Name	GRINA, ID (GRINA, LFG1, NMDARA1, TMBIM3, Protein lifeguard 1, Glutamate [NMDA] receptor-associated protein 1, NMDA receptor glutamate-binding subunit, Putative MAPK-activating protein PM02, Transmembrane BAX inhibitor motif-containing protein 3) (MaxLight
Product Gene Name	anti-GRINA antibody
Product Synonym Names	GRINA; LFG1; NMDARA1; TMBIM3; Protein lifeguard 1; Glutamate [NMDA] receptor-associated protein 1; NMDA receptor glutamate-binding subunit; Putative MAPK-activating protein PM02; Transmembrane BAX inhibitor motif-containing protein 3
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight750.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight750 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	41,203 Da
OMIM	138251
3D Structure	ModBase 3D Structure for Q7Z429
Immunogen	GRINA antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 130-158 amino acids from the Central region of human GRINA.
Conjugate	MaxLight750
Note	Preservative Free
Product Categories/Family for anti-GRINA antibody	Antibodies; Ion Channel
Applications Tested/Suitable for anti-GRINA antibody	Immunohistochemistry (IHC), FLISA, Western Blot (WB)
Application Notes for anti-GRINA antibody	IHC: 1:10-50 FLISA: 1:1,000 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-GRINA antibody	MaxLight750 is a new Near IR stable dye conjugate comparable to DyLight750, Alexa Fluor700 and offers better labeling efficiency, brighter imaging and increased immunodetection. Absorbance (759nm); Emission (780nm); Extinction Coefficient 240,000.
Product References and Citations for anti-GRINA antibody	Zhou, J., et al. Comput Biol Chem 32(3):159-162(2008). Oh, J.H., et al. Mamm. Genome 16(12):942-954(2005). Matsuda, A., et al. Oncogene 22(21):3307-3318(2003). Lewis, T.B., et al. Genomics 32(1):131-133(1996). Collins, C., et al. Genomics 17(1):237-239(1993).

Other Notes	Small volumes of anti-GRINA antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for GRINA purchase	MBS6304479 is an antibody targeting GRINA. Also known as GRINA, ID (GRINA, LFG1, NMDARA1, TMBIM3, Protein lifeguard 1, Glutamate [NMDA] receptor-associated protein 1, NMDA receptor glutamate-binding subunit, Putative MAPK-activating protein PM02, Transmembrane BAX inhibitor motif-containing protein 3) (MaxLight. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GRINA. It may not necessarily be applicable to this product.

NCBI GI #	57165373
NCBI GeneID	2907
NCBI Accession #	NP_000828.1
NCBI Related Accession #	NP_001009184.1
UniProt Primary Accession #	Q7Z429
UniProt Secondary Accession #	O43836; Q8IVW7; B3KXM7
UniProt Related Accession #	Q7Z429
GenBank Nucleotide #	NM_000837.1
NCBI Official Full Name	protein lifeguard 1
NCBI Official Synonym Full Names	glutamate receptor, ionotropic, N-methyl D-aspartate-associated protein 1 (glutamate binding)
NCBI Official Symbol	GRINA
NCBI Official Synonym Symbols	LFG1; HNRGW; TMBIM3; NMDARA1
UniProt Protein Name	Protein lifeguard 1
UniProt Synonym Protein Names	Glutamate [NMDA] receptor-associated protein 1; NMDA receptor glutamate-binding subunit; Putative MAPK-activating protein PM02; Transmembrane BAX inhibitor motif-containing protein 3
Protein Family	Protein lifeguard
UniProt Gene Name	GRINA
UniProt Synonym Gene Names	LFG1; NMDARA1; TMBIM3
UniProt Entry Name	LFG1_HUMAN
NCBI Protein Information	protein lifeguard 1; putative MAPK-activating protein PM02; NMDA receptor glutamate-binding subunit; glutamate [NMDA] receptor-associated protein 1; transmembrane BAX inhibitor motif containing 3; transmembrane BAX inhibitor motif-containing protein 3; gl
UniProt Comments for GRINA	NMDARA1: Potential apoptotic regulator. Belongs to the BI1 family. LFG subfamily. Protein type: Membrane protein, multi-pass; Membrane protein, integral Chromosomal Location of Human Ortholog: 8q24.3 Cellular Component: Golgi apparatus; endoplasmic reticulum; integral to membrane Biological Process: endoplasmic reticulum calcium ion homeostasis

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