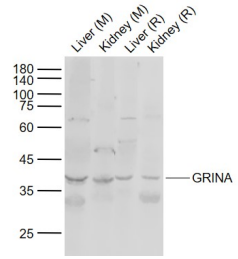
www.bioss.com.cn
sales@bioss.com.cn
techsupport@bioss.com.cn
400-901-9800

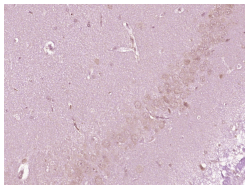
GRINA Rabbit pAb

Catalog Number:	bs-12098R
Target Protein:	GRINA
Concentration:	1mg/ml
Form:	Liquid
Host:	Rabbit
Clonality:	Polyclonal
Isotype:	IgG
Applications:	WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)
Reactivity:	Mouse, Rat (predicted:Human, Rabbit, Sheep, Cow)
Predicted MW:	41 kDa
Entrez Gene:	2907
Swiss Prot:	Q7Z429
Source:	KLH conjugated synthetic peptide derived from human GRINA: 121-220/371.
Purification:	affinity purified by Protein A
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
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 possible GRINA involvement with a form of idiopathic generalized epilepsy.

VALIDATION IMAGES



Sample: Lane 1: Mouse Liver tissue lysates Lane 2: Mouse Kidney tissue lysates Lane 3: Rat Liver tissue lysates Lane 4: Rat Kidney tissue lysates Primary: Anti-GRINA (bs-12098R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 41 kD Observed band size: 41 kD



Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (GRINA) Polyclonal Antibody, Unconjugated (bs-12098R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.