



Rabbit Anti-Netrin G2 Ligand antibody

SL1974R

Product Name:	Netrin G2 Ligand
Chinese Name:	脑瘤相关基因抗体
Alias:	BAG; Brain tumor associated protein LRRC4; Brain tumor-associated protein BAG; Leucine rich repeat containing 4; Leucine rich repeat containing protein 4; Leucine-rich repeat-containing protein 4; Lrrc4; LRRC4_HUMAN; MGC133342; MGC133343; NAG14; Nasopharyngeal carcinoma associated gene 14 protein; Nasopharyngeal carcinoma-associated gene 14 protein; Netrin G2 ligand; Netrin-G2 ligand; NGL 2; NGL2; NGL-2; OTTHUMP00000212282; OTTHUMP00000212283; OTTHUMP00000212284.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Cow,Horse,Rabbit,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	68kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human LRRC4:501-600/653
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
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 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	This gene is significantly downregulated in primary brain tumors. The exact function of

the protein encoded by this gene is unknown. Synaptic adhesion protein. Regulates the formation of excitatory synapses through the recruitment of pre-and-postsynaptic proteins. Organize the lamina/pathway-specific differentiation of dendrites. Plays an important role for auditory synaptic responses. Involved in the suppression of glioma.

Function:

Synaptic adhesion protein. Regulates the formation of excitatory synapses through the recruitment of pre-and-postsynaptic proteins. Organize the lamina/pathway-specific differentiation of dendrites. Plays an important role for auditory synaptic responses. Involved in the suppression of glioma (By similarity).

Subunit:

Interacts with NTNG2 (By similarity). Interacts with DLG4 (By similarity). Forms a complex with DLG4 and with NMDA receptors.

Subcellular Location:

Membrane; Single-pass type I membrane protein. Cell junction, synapse, postsynaptic cell membrane.

Tissue Specificity:

Specifically expressed in brain.

Similarity:

Contains 1 Ig-like (immunoglobulin-like) domain.
Contains 9 LRR (leucine-rich) repeats.
Contains 1 LRRCT domain.
Contains 1 LRRNT domain.

SWISS:

Q9HBW1

Gene ID:

64101

Database links:

[Entrez Gene: 64101](#)Human

[Entrez Gene: 192198](#)Mouse

[Entrez Gene: 641521](#)Rat

[Omid: 610486](#)Human

[SwissProt: Q9HBW1](#)Human

[SwissProt: Q99PH1](#)Mouse

[SwissProt: Q45R42](#)Rat

[Unigene: 655003](#)Human

[Unigene: 443660](#)Mouse

[Unigene: 198672](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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