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Netrin G2 Ligand Rabbit pAb

Catalog # AP98731

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q9HBW1
Other Accession	Q9HBW1
Predicted	Rat, Human, Mouse, Rabbit, Chicken, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	72717
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human LRRC4
Epitope Specificity	501-600/653
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 1 Ig-like (immunoglobulin-like) domain.Contains 9 LRR (leucine-rich) repeats.Contains 1 LRRCT domain.Contains 1 LRRNT domain.
SUBUNIT	Interacts with NTNG2 (By similarity). Interacts with DLG4 (By similarity). Forms a complex with DLG4 and with NMDA receptors.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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 exitatory synapses through the recruitement of pre-and-postsynaptic proteins. Organize the lamina/pathway-specific differentiation of dendrites. Plays a important role for auditory synaptic responses. Involved in the suppression of glioma.

Additional Information

Gene ID	64101
Other Names	NAG14; NGL-2; MBAG1; NGL2; NLG-2; LRRC4_HUMAN; LRRC4; Brain tumor-associated protein BAG; Nasopharyngeal carcinoma-associated gene 14 protein; Netrin-G2 ligand (NGL-2); BAG; LRRC4_MOUSE; Brain tumor-associated protein MBAG1; LRRC4_RAT; leucine rich repeat containing 4; leucine-rich repeat-containing 4; netrin-G ligand-2
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
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	LRRC4
Synonyms	BAG
Function	Synaptic adhesion protein. Regulates the formation of exitatory 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).
Cellular Location	Membrane; Single-pass type I membrane protein. Postsynaptic cell membrane. Note=LRRC4 and DLG4 are interdependent for synaptic localization.
Tissue Location	Specifically expressed in brain.

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