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FLJ39155 Rabbit pAb

Catalog # AP97382

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q63HQ2
Other Accession	Q63HQ2
Reactivity	Mouse
Predicted	Rat, Human, Dog, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	111271
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human FLJ39155
Epitope Specificity	921-1017/1017
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 3 EGF-like domains. Contains 2 fibronectin type-III domains. Contains 3 laminin G-like domains.
SUBUNIT	Interacts with DAG1 alpha-dystroglycan
Post-translational modifications	O-glycosylated; contains chondroitin sulfate and heparan sulfate.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	EGFLAM is a 1,017 amino acid secreted protein containing three EGF-like domains, two fibronectin type-III domains, and three laminin G-like domains. Colocalizing with bassoon, CtBP and dystroglycan in photoreceptor synaptic terminals, EGFLAM is involved in retinal photoreceptor ribbon synapse formation. EGFLAM may also promote matrix assembly and cell adhesion. Existing as five alternatively spliced isoforms, the gene encoding EGFLAM maps to human chromosome 5p13.2. Chromosome 5 makes up approximately 6% of the human genome and contains 181 million base pairs, which encode 1,000 genes. Cockayne syndrome, Treacher Collins syndrome, acute myelogenous leukemias and myelodysplastic syndrome are associated with genes present on chromosome 5.

Additional Information

Gene ID	133584
Other Names	AGRINL; AGRNL; PIKA; 5930412K08; RGD1306592; EGFLA_BOVIN; EGFLAM; EGF-like, fibronectin type-III and laminin G-like domain-containing protein; EGFLA_HUMAN; Agrin-like protein; EGFLA_MOUSE; Nectican; EGFLA_RAT; EGF like, fibronectin type III and laminin G domains; EGF-like, fibronectin type III and laminin G domains; pikachurin; agrin-like

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	EGFLAM
Synonyms	AGRINL, AGRNL, PIKA
Function	Involved in both the retinal photoreceptor ribbon synapse formation and physiological functions of visual perception. Plays a key role in the synaptic organization of photoreceptors by mediating transsynaptic interaction between alpha-dystroglycan and GPR179 on the postsynaptic membrane. Necessary for proper bipolar dendritic tip apposition to the photoreceptor ribbon synapse. Promotes matrix assembly and cell adhesiveness.
Cellular Location	Secreted, extracellular space, extracellular matrix {ECO:0000250|UniProtKB:Q4VBE4}. Synaptic cleft {ECO:0000250|UniProtKB:Q4VBE4}. Presynaptic active zone {ECO:0000250|UniProtKB:Q4VBE4}. Note=Detected in the synaptic cleft of the ribbon synapse around the postsynaptic terminals of bipolar cells Colocalizes with BSN, CTBP2 and DAG1 in photoreceptor synaptic terminals. {ECO:0000250|UniProtKB:Q4VBE4}

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