



## Rabbit Anti-EGFLAM antibody

SL11346R

<b>Product Name:</b>	EGFLAM
<b>Chinese Name:</b>	皮卡丘素抗体
<b>Alias:</b>	fibronectin type-III and laminin G-like domain-containing protein; Agrin-like protein; AGRINL; AGRNL; EGF-like; EGF-like, fibronectin type III and laminin G domains; EGF-like, fibronectin type-III and laminin G-like domain-containing protein; EGFLA HUMAN; EGFLAM; FLJ39155; Pikachurin.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Horse,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	109kDa
<b>Cellular localization:</b>	The cell membraneExtracellular matrixSecretory protein
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human Pikachurin:111-210/1017
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	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.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	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.

**Function:**

Involved in both the retinal photoreceptor ribbon synapse formation and physiological functions of visual perception. Necessary for proper bipolar dendritic tip apposition to the photoreceptor ribbon synapse. Promotes matrix assembly and cell adhesiveness.

**Subunit:**

Interacts with DAG1 alpha-dystroglycan

**Subcellular Location:**

Secreted; extracellular space; extracellular matrix. Cell junction > synapse. 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.

**Post-translational modifications:**

O-glycosylated; contains chondroitin sulfate and heparan sulfate.

**Similarity:**

Contains 3 EGF-like domains.

Contains 2 fibronectin type-III domains.

Contains 3 laminin G-like domains.

**SWISS:**

Q63HQ2

**Gene ID:**

133584

**Database links:**

[Entrez Gene: 133584](#) Human

[Entrez Gene: 268780](#) Mouse

[Entrez Gene: 365691](#) Rat

[Entrez Gene: 534427](#) Cow

[SwissProt: A3KN33](#) Cow

[SwissProt: Q63HQ2](#) Human

[SwissProt: Q4VBE4](#) Mouse

[SwissProt: B4F785](#) Rat

[Unigene: 20103](#) Human

[Unigene: 203208](#) Mouse

[Unigene: 27713](#) 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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