SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-DAGLB antibody

Catalog Number: SL14190R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	DAGLB
Immunogen:	KLH conjugated synthetic peptide derived from human DAGLB: 51-150/672
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	ELISA=1:5000-10000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse, (predicted: Human, Rat, Pig, Cow, Rabbit, Sheep)
Predicted MW.:	74kDa
Subcellular Location:	The cell membrane
Background:	KCCR13L, is a 672 amino acid multi-pass membrane protein that belongs to the AB hydrolase superfamily. DAGL beta uses calcium as a cofactor to catalyze the hydrolysis of diacylglycerol (DAG) to 2-arachidonoyl-glycerol (2-AG), a reaction that is required for axonal growth and for retrograde synaptic signaling at mature synapses. DAGL beta functions at an optimal pH of 7 and its activity is inhibited by p-hydroxy-mercuri-benzoate and HgCl2, but not PMSF. There are three isoforms of DAGL beta that are produced as a result of alternative splicing events. **Function:** Catalyzes the hydrolysis of diacylglycerol (DAG) to 2-arachidonoyl-glycerol (2-AG), the most abundant endocannabinoid in tissues. Required for axonal growth during development and for retrograde synaptic signaling at mature synapses. **Subcellular Location:** Cell membrane. **Similarity:** Belongs to the AB hydrolase superfamily. Lipase family. **Database links:**

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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	Entrez Gene: 221955 Human **Entrez Gene:** 231871 Mouse **SwissProt:** Q8NCG7 Human **SwissProt:** Q91WC9 Mouse **Unigene:** 487498 Human **Unigene:** 469963 Mouse

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