



DGLA Polyclonal Antibody

Catalog No	YP-Ab-06193
Isotype	IgG
Reactivity	Human;Rat;Mouse
Applications	WB;ELISA
Gene Name	DAGLA C11orf11 KIAA0659 NSDDR
Immunogen	Synthesized peptide derived from human protein . at AA range: 900-980
Specificity	DGLA Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	DGLA;DAGLA C11orf11 KIAA0659 NSDDR;Sn1-specific diacylglycerol lipase alpha (DGL-alpha) (EC 3.1.1.-) (Neural stem cell-derived dendrite regulator)
Observed Band	114kD
Calculated Molecular Weight	114kD
Cell Pathway	Cell membrane ; Multi-pass membrane protein . Cell junction, synapse, postsynaptic density membrane ; Multi-pass membrane protein . Early endosome membrane ; Multi-pass membrane protein . Cell projection, dendritic spine membrane ; Multi-pass membrane protein . Cycles between the cell surface and an intracellular endosomal compartment. Internalized by early endosomes via a clathrin-independent pathway before transport back to the postsynaptic membrane surface in a PKC-dependent manner. .
Tissue Specificity	Highly expressed in brain and pancreas.
Function	cofactor:Calcium.,enzyme regulation:Inhibited by p-hydroxy-mercuri-benzoate and HgCl(2), but not to PMSF. Also inhibited by RHC80267, a drug that blocks 2-AG formation.,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.,similarity:Belongs to the AB hydrolase



superfamily. Lipase family.,tissue specificity:Highly expressed in brain and pancreas.,

Background

This gene encodes a diacylglycerol lipase. The encoded enzyme is involved in the biosynthesis of the endocannabinoid 2-arachidonoyl-glycerol.[provided by RefSeq, Nov 2010],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images