



# DGLA Polyclonal Antibody

<b>Catalog No</b>	BYab-06193
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Rat;Mouse
<b>Applications</b>	WB;ELISA
<b>Gene Name</b>	DAGLA C11orf11 KIAA0659 NSDDR
<b>Protein Name</b>	Sn1-specific diacylglycerol lipase alpha (DGL-alpha) (EC 3.1.1.-) (Neural stem cell-derived dendrite regulator)
<b>Immunogen</b>	Synthesized peptide derived from human protein . at AA range: 900-980
<b>Specificity</b>	DGLA Polyclonal Antibody detects endogenous levels of protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000 ELISA 1:5000-20000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	
<b>Observed Band</b>	114kD
<b>Cell Pathway</b>	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. .
<b>Tissue Specificity</b>	Highly expressed in brain and pancreas.
<b>Function</b>	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.

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

<b>Background</b>	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],
<b>matters needing attention</b>	Avoid repeated freezing and thawing!
<b>Usage suggestions</b>	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images