DAGLA Conjugated Antibody

Catalog No: #C47014

Package Size: #C47014-AF350 100ul #C47014-AF405 100ul #C47014-AF488 100ul #C47014-AF555 100ul #C47014-AF594 100ul #C47014-AF647 100ul #C47014-AF680 100ul #C47014-AF750 100ul #C47014-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	DAGLA Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total DAGLA protein.
Immunogen Description	Synthetic peptide of human DAGLA
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	NSDDR; C11orf11; DAGLALPHA; DAGL(ALPHA)
Accession No.	Swiss-Prot#:Q9Y4D2 NCBI Gene ID:747NCBI Protein#:NP_006124
Uniprot	Q9Y4D2
GeneID	747;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Background

Members of the AB hydrolase superfamily have diverse catalytic functions and play a crucial role in the metabolism of lipids. DAGLα (diacylglycerol lipase alpha), also known as NSDDR or C11orf11, is a 1,042 amino acid multi-pass membrane protein that belongs to the AB hydrolase superfamily. Highly expressed in brain and pancreas, DAGLα 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. DAGLα functions as at optimal pH of 7 and its activity is inhibited by p-hydroxy-mercuri-benzoate and HgCl2. The gene encoding DAGLα maps to human chromosome 11, which houses over 1,400 genes and comprises nearly 4% of the human genome.

Note: This product is for in vitro research use only