

## DAGLA Antibody

Catalog No: #47014

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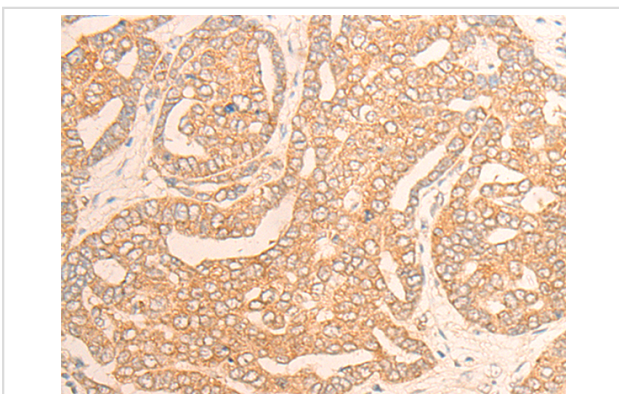
## Description

Product Name	DAGLA Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification
Applications	IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total DAGLA protein.
Immunogen Type	peptide
Immunogen Description	Synthetic peptide of human DAGLA
Target Name	DAGLA
Other Names	NSDDR; C11orf11; DAGLALPHA; DAGL(ALPHA)
Accession No.	Swiss-Prot#:Q9Y4D2 NCBI Gene ID:747Gene Accssion:NP_006124
Uniprot	Q9Y4D2
GeneID	747;
Concentration	0.8mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol.
Storage	Store at -20C

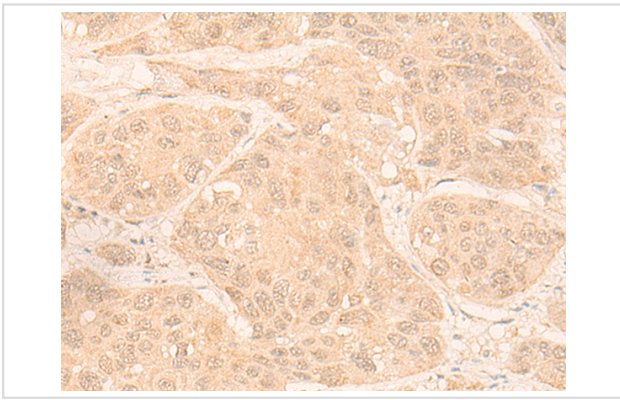
## Application Details

Immunofluorescence:1: 25-100

## Images



The image is immunohistochemistry of paraffin-embedded Human liver cancer tissue using 47014(DAGLA Antibody) at dilution 1/20. (Original magnification: ?00)



The image is immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using 47014(DAGLα Antibody) at dilution 1/20. (Original magnification: ?00)

## Background

Members of the AB hydrolase superfamily have diverse catalytic functions and play a crucial role in the metabolism of lipids. DAGL $\alpha$  (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, DAGL $\alpha$  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 $\alpha$  functions as at optimal pH of 7 and its activity is inhibited by p-hydroxy-mercuri-benzoate and HgCl<sub>2</sub>. The gene encoding DAGL $\alpha$  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