

CDS2 Rabbit pAb

CatalogNo: YN6415

| Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB

MW

- 49kD (Calculated)

Isotype

- IgG

| Recommended Dilution Ratios

WB 1:500-2000

| Storage

Storage*

-15°C to -25°C/1 year(Do not lower than -25°C)

Formulation

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

| Basic Information

Clonality

Polyclonal

| Immunogen Information

Immunogen

Synthesized peptide derived from human CDS2

Specificity

This antibody detects endogenous levels of CDS2 at Human, Mouse, Rat

| Target Information

Gene name

CDS2

Protein Name	Phosphatidate cytidylyltransferase 2 (CDP-DAG synthase 2) (CDP-DG synthase 2) (CDP-diacylglycerol synthase 2) (CDS 2) (CDP-diglyceride pyrophosphorylase 2) (CDP-diglyceride synthase 2) (CTP:phosphatidate cytidylyltransferase 2)		
	Organism	Gene ID	UniProt ID
	Human	8760 ;	O95674 ;
	Mouse	110911 ;	Q99L43 ;
	Rat	114101 ;	Q91XU8 ;
Cellular Localization	Endoplasmic reticulum membrane ; Multi-pass membrane protein .		
Tissue specificity	Widely expressed. Expressed in heart, brain and retina, and to a lesser extent in placenta, lung, liver, skeletal muscle, kidney and pancreas.		
Function	Catalyzes the conversion of phosphatidic acid (PA) to CDP-diacylglycerol (CDP-DAG), an essential intermediate in the synthesis of phosphatidylglycerol, cardiolipin and phosphatidylinositol . Exhibits specificity for the nature of the acyl chains at the sn-1 and sn-2 positions in the substrate, PA and the preferred acyl chain composition is 1-stearoyl-2-arachidonoyl-sn-phosphatidic acid . Plays an important role in regulating the growth and maturation of lipid droplets which are storage organelles at the center of lipid and energy homeostasis .		

Validation Data

Contact information

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CDS2 Rabbit pAb

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