

## 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

<b>Protein Name</b>	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)		
	<b>Organism</b>	<b>Gene ID</b>	<b>UniProt ID</b>
	Human	<a href="#">8760;</a>	<a href="#">O95674;</a>
	Mouse	<a href="#">110911;</a>	<a href="#">Q99L43;</a>
	Rat	<a href="#">114101;</a>	<a href="#">Q91XU8;</a>
<b>Cellular Localization</b>	Endoplasmic reticulum membrane ; Multi-pass membrane protein .		
<b>Tissue specificity</b>	Widely expressed. Expressed in heart, brain and retina, and to a lesser extent in placenta, lung, liver, skeletal muscle, kidney and pancreas.		
<b>Function</b>	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

Orders:

order@immunoway.com

Support:

tech@immunoway.com

Telephone:

877-594-3616 (Toll Free), 408-747-0185

Website:

http://www.immunoway.com

Address:

2200 Ringwood Ave San Jose, CA 95131 USA



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**CDS2 Rabbit pAb**