



CDS2 Mouse mAb

Catalog No	YP-mAb-19560
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB
Gene Name	CDS2
Immunogen	Synthesized peptide derived from human CDS2. AA range:1-35
Specificity	This antibody detects endogenous levels of CDS2 at Human, Mouse,Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal,Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-15°C to -25°C/1 year(Do not lower than -25°C)
Synonyms	CDS2;Phosphatidate cytidyltransferase 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 cytidyltransferase 2)
Observed Band	
Calculated Molecular Weight	51kD
Cell Pathway	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 .
Background	

**matters needing attention**

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images