

**Anti-COASY Rabbit Monoclonal Antibody**  
**Catalog # ABO16139****Specification****Anti-COASY Rabbit Monoclonal Antibody - Product Information**

Application	WB, FC
Primary Accession	<a href="#">Q13057</a>
Host	Rabbit
Isotype	IgG
Reactivity	Human
Clonality	Monoclonal
Format	Liquid

**Description**

Anti-COASY Rabbit Monoclonal Antibody . Tested in WB, Flow Cytometry applications. This antibody reacts with Human.

**Anti-COASY Rabbit Monoclonal Antibody - Additional Information**

**Gene ID** 80347

**Other Names**

Bifunctional coenzyme A synthase, CoA synthase, NBP, POV-2, Phosphopantetheine adenylyltransferase, 2.7.7.3, Dephospho-CoA pyrophosphorylase, Pantetheine-phosphate adenylyltransferase, PPAT, Dephospho-CoA kinase, DPCK, 2.7.1.24, Dephosphocoenzyme A kinase, DPCOAK, COASY ([http://www.genenames.org/cgi-bin/gene\\_symbol\\_report?hgnc\\_id=29932](http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=29932))  
HGNC:29932

**Calculated MW**

62 kDa KDa

**Application Details**

WB 1:500-1:2000  
FC 1:50

**Contents**

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

**Immunogen**

A synthesized peptide derived from human COASY

**Purification**

Affinity-chromatography

**Storage**

**Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.**

## Anti-COASY Rabbit Monoclonal Antibody - Protein Information

**Name** COASY ([HGNC:29932](#))

### Function

Bifunctional enzyme that catalyzes the fourth and fifth sequential steps of CoA biosynthetic pathway. The fourth reaction is catalyzed by the phosphopantetheine adenylyltransferase, coded by the coaD domain; the fifth reaction is catalyzed by the dephospho-CoA kinase, coded by the coaE domain. May act as a point of CoA biosynthesis regulation.

### Cellular Location

Cytoplasm. Mitochondrion matrix. Note=The protein is mainly present in the mitochondrial matrix, probably anchored to the inner mitochondrial membrane, but is also present in cell lysate

### Tissue Location

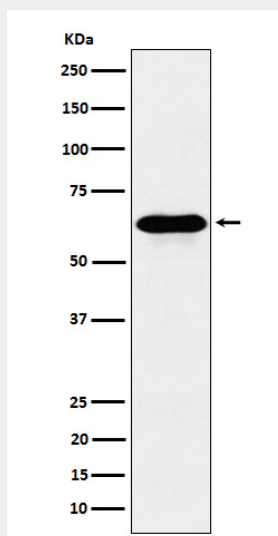
Expressed in all tissues examined including brain, heart, skeletal muscle, colon, thymus, spleen, kidney, liver, small intestine, placenta, lung and peripheral blood leukocyte. Lowest expression in peripheral blood leukocytes and highest in kidney and liver. Isoform 2 is expressed mainly in the brain

## Anti-COASY Rabbit Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## Anti-COASY Rabbit Monoclonal Antibody - Images



Western blot analysis of COASY expression in HeLa cell lysate.