

COASY rabbit monoclonal antibody

Catalog # H00080347-K

Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human COASY peptide using ARM Technology.
Immunogen	A synthetic peptide of human COASY is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human COASY peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — COASY

Entrez GeneID [80347](#)

GeneBank Accession# [COASY](#)

Gene Name COASY

Gene Alias DPCK, FLJ35179, NBP, PPAT, UKR1, pOV-2

Gene Description Coenzyme A synthase

Omim ID [609855](#)

Gene Ontology [Hyperlink](#)

Gene Summary Biosynthesis of coenzyme A (CoA) from pantothenic acid (vitamin B5) is an essential universal pathway in prokaryotes and eukaryotes. COASY is a bifunctional enzyme that catalyzes the 2 last steps in CoA synthesis. These activities are performed by 2 separate enzymes, phosphopantetheine adenyltransferase (PPAT; EC 2.7.7.3) and dephospho-CoA kinase (DPCK; EC 2.7.1.24), in prokaryotes (Daugherty et al., 2002 [PubMed 11923312]).[supplied by OMIM]

Other Designations bifunctional phosphopantetheine adenyl transferase/dephospho CoA kinase|coenzyme A synthase|nucleotide binding protein|phosphopantetheine adenyltransferase / dephosphocoenzyme A kinase

Pathway

- [Metabolic pathways](#)
- [Pantothenate and CoA biosynthesis](#)

Disease

- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Urinary Bladder Neoplasms](#)