

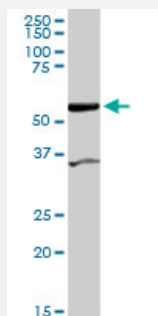
MaxPab®

COASY purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00080347-D01P

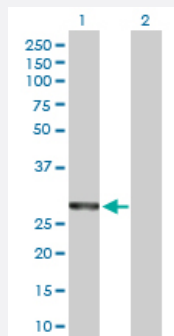
Size 100 ug

Applications



Western Blot (Tissue lysate)

COASY MaxPab rabbit polyclonal antibody. Western Blot analysis of COASY expression in mouse spleen.



Western Blot (Transfected lysate)

Western Blot analysis of COASY expression in transfected 293T cell line ([H00080347-T01](#)) by COASY MaxPab polyclonal antibody.

Lane 1: COASY transfected lysate(30.20 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human COASY protein.

Immunogen

COASY (NP_001035996.1, 1 a.a. ~ 269 a.a) full-length human protein.

Sequence

MAINRFRLNDLEELALYQIQLLKDLRHTENEEDKVSSSSFRQRMLGNLLRPPYERPELPTCLYVIG
LTGISGSGKSSIAQRLKGLGAFVIDSDHLGHRAYAPGGPAYQPVEAFGTDILHKDGIINRKVLGSR
VFGNKKQLKILTDIMWPIAKLAREEMDRAVAEGKRVCVIDAAVLLEAGWQNLVHEVWTAVIPETE
AVRRIVERDGLSEAAQSRQLSQMSGQQLVEQSHVVLSTLWEPHITQRQVEKAWALLQKRIPKT
HQALD

Host

Rabbit

Reactivity	Human, Mouse
Interspecies Antigen Sequence	Rat (85)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

COASY MaxPab rabbit polyclonal antibody. Western Blot analysis of COASY expression in mouse spleen.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of COASY expression in transfected 293T cell line ([H00080347-T01](#)) by COASY MaxPab polyclonal antibody.

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[Protocol Download](#)

Gene Info — COASY

Entrez GeneID	80347
GeneBank Accession#	NM_001042531.1
Protein Accession#	NP_001035996.1
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 adenylyltransferase (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 adenylyl transferase/dephospho CoA kinase|coenzyme A synthase|nucleotide binding protein|phosphopantetheine adenylyltransferase / dephosphocoenzyme A kinase

Pathway

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

Disease

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