

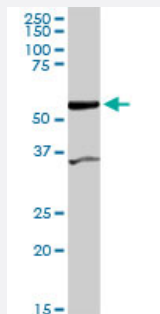
MaxPab®

COASY MaxPab rabbit polyclonal antibody (D01)

Catalog # H00080347-D01

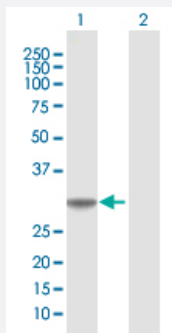
Size 100 uL

Applications



Western Blot (Tissue lysate)

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

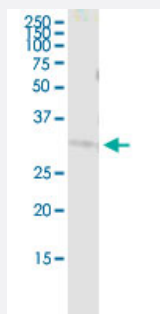


Western Blot (Transfected lysate)

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.



Immunoprecipitation

Immunoprecipitation of COASY transfected lysate using anti-COASY MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with COASY purified MaxPab mouse polyclonal antibody (B01P) ([H00080347-B01P](#)).

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	MAINRFRENDLEELALYQIQLLKDLRHTENEEDKVSSSSFRQRMLGNLLRPPYERPELPTCLYVIG LTGISGSGKSSIAQRLKGLGAFVIDSDHLGHRAYAPGGPAYQPVVEAFGTDILHKDGIINRKVLGSR VFGNKKQLKILTDIMWPIIAKLAREEMDRAVAEGKRVCVIDA AVLLEAGWQNLVHEVWTAVIPETE AVRRIVERDGLSEAAAQSRLQSQMSGQQLVEQSHVVLSTLWEPHITQRQVEKAWALLQKRIPKT HQALD
Host	Rabbit
Reactivity	Human, Mouse
Interspecies Antigen Sequence	Rat (85)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	No additive
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

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[Protocol Download](#)

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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 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](#)