

DNAXPab

Hard-to-Find
Antibody

COASY DNAXPab

Catalog # H00080347-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human COASY DNA using DNAX™ Immune technology.
Technology	DNAX™ Immune
Immunogen	Full-length human DNA
Sequence	MAINRFRENDLEELALYQIQLLKDLRHTENEEDKVSSSSFRQRMLGNLLRPPYERPELPTCLYVIG LTGISGSGKSSIAQRLKGLGAFVIDSDHLGHRAYAPGGPAYQPVEAFGTDILHKDGIINRKVLGSR VFGNKKQLKILTDIMWPIIAKLAREEMDRAVAEGKRVCVIDAAVLLEAGWQNLVHEVWTAVIPETE AVRRIVERDGLSEAAQSRQLSQMSGQQLVEQSHVVLSTLWEPHITQRQVEKAWALLQKRIPKT HQALD
Host	Rabbit
Reactivity	Human
Purification	Protein A
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 (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

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](#)