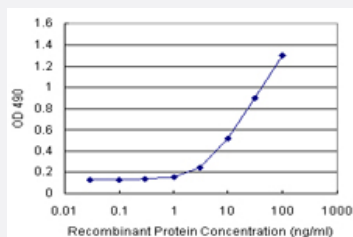


COASY (Human) Matched Antibody Pair

Catalog # H00080347-AP11

Size 1 Set

Applications



Sandwich ELISA detection sensitivity ranging from 3 ng/ml to 100 ng/ml.

Specification

Product Description	This antibody pair set comes with a matched antibody pair to detect and quantify the protein level of human COASY.
Reactivity	Human
Interspecies Antigen Sequence	Rat (85)
Quality Control Testing	Standard curve using recombinant protein (H00080347-P01) as an analyte. Sandwich ELISA detection sensitivity ranging from 3 ng/ml to 100 ng/ml.
Supplied Product	Antibody pair set content: 1. Capture antibody: rabbit MaxPab® affinity purified polyclonal anti-COASY (100 ug) 2. Detection antibody: mouse monoclonal anti-COASY, IgG1 Kappa (20 ug) *Reagents are sufficient for at least 1-2 x 96 well plates using recommended protocols.
Storage Instruction	Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze thaw cycle. Reagents should be returned to -20°C storage immediately after use.

Applications

- [ELISA Pair \(Recombinant protein\)](#)

[Protocol Download](#)

Gene Info — COASY

Entrez GeneID [80347](#)

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](#)