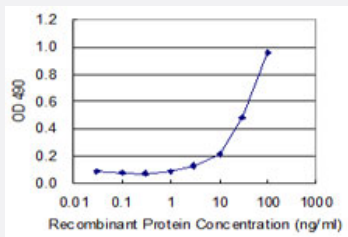


# COASY (Human) Matched Antibody Pair

Catalog # H00080347-AP22

Size 1 Set

## Applications



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

## Specification

<b>Product Description</b>	This antibody pair set comes with a matched antibody pair to detect and quantify the protein level of human COASY.
<b>Reactivity</b>	Human
<b>Interspecies Antigen Sequence</b>	Rat (85)
<b>Quality Control Testing</b>	Standard curve using recombinant protein ( H00080347-P01 ) as an analyte. Sandwich ELISA detection sensitivity ranging from 3 ng/ml to 100 ng/ml.
<b>Supplied Product</b>	Antibody pair set content: 1. Capture antibody: rabbit MaxPab® affinity purified polyclonal anti-COASY (100 ug) 2. Detection antibody: mouse purified polyclonal anti-COASY (20 ug) *Reagents are sufficient for at least 1-2 x 96 well plates using recommended protocols.
<b>Storage Instruction</b>	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](#)