

# COASY Antibody - C-terminal region

Rabbit Polyclonal Antibody

Catalog # AI15361

## Product Information

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<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">Q13057</a>
<b>Other Accession</b>	<a href="#">NM_001042532</a> , <a href="#">NP_001035997</a>
<b>Reactivity</b>	Human, Mouse, Rat, Pig, Dog, Guinea Pig, Horse, Bovine
<b>Predicted</b>	Human, Mouse, Rat, Pig, Dog, Guinea Pig, Horse, Bovine
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	62329

## Additional Information

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<b>Gene ID</b>	80347
<b>Alias Symbol</b> <b>Other Names</b>	DPCK, FLJ35179, NBP, PPAT, UKR1, pOV-2 Bifunctional coenzyme A synthase, CoA synthase, NBP, POV-2, Phosphopantetheine adenylyltransferase, 2.7.7.3, Dephospho-CoA pyrophosphorylase, Pantetheine-phosphate adenylyltransferase, PPAT, Dephospho-CoA kinase, DPCK, 2.7.1.24, Dephosphocoenzyme A kinase, DPCOAK, COASY
<b>Format</b>	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
<b>Reconstitution &amp; Storage</b>	Add 50 ul of distilled water. Final anti-COASY antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
<b>Precautions</b>	COASY Antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	COASY ( <a href="#">HGNC:29932</a> )
<b>Function</b>	Bifunctional enzyme that catalyzes the fourth and fifth sequential steps of CoA biosynthetic pathway. The fourth reaction is catalyzed by the phosphopantetheine adenylyltransferase, coded by the coaD domain; the fifth reaction is catalyzed by the dephospho-CoA kinase, coded by the coaE domain. May act as a point of CoA biosynthesis regulation.
<b>Cellular Location</b>	Cytoplasm. Mitochondrion matrix. Note=The protein is mainly present in the

mitochondrial matrix, probably anchored to the inner mitochondrial membrane, but is also present in cell lysate

### Tissue Location

Expressed in all tissues examined including brain, heart, skeletal muscle, colon, thymus, spleen, kidney, liver, small intestine, placenta, lung and peripheral blood leukocyte. Lowest expression in peripheral blood leukocytes and highest in kidney and liver. Isoform 2 is expressed mainly in the brain

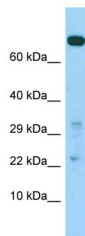
## References

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Aghajanian S.,et al.Biochem. J. 365:13-18(2002).  
Ota T.,et al.Submitted (MAR-2002) to the EMBL/GenBank/DDBJ databases.  
Ota T.,et al.Nat. Genet. 36:40-45(2004).  
Zody M.C.,et al.Nature 440:1045-1049(2006).

## Images

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WB Suggested Anti-COASY Antibody Titration: 1.0 µg/ml  
Positive Control: A549 Whole Cell

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.