

COASY Antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI15361**Specification**

COASY Antibody - C-terminal region - Product Information

Application	WB
Primary Accession	Q13057
Other Accession	NM_001042532 , NP_001035997
Reactivity	Human, Mouse, Rat, Pig, Horse, Bovine, Guinea Pig, Dog
Predicted	Human, Mouse, Rat, Pig, Horse, Bovine, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	65kDa kDa

COASY Antibody - C-terminal region - Additional Information**Gene ID** 80347**Alias Symbol** DPCK, FLJ35179, NBP, PPAT, UKR1, pOV-2**Other Names**

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

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

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.

Precautions

COASY Antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

COASY Antibody - C-terminal region - Protein Information**Name** COASY ([HGNC:29932](#))**Function**

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.

Cellular Location

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

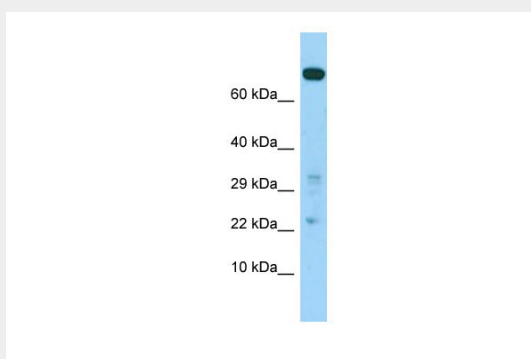
Tissue Location

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

COASY Antibody - C-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

COASY Antibody - C-terminal region - Images

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

COASY Antibody - C-terminal region - References

Daugherty M., et al. J. Biol. Chem. 277:21431-21439(2002).
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).