

COASY Antibody
Rabbit mAb
Catalog # AP92722

Specification

COASY Antibody - Product Information

| | |
|---|------------------------|
| Application | WB, FC |
| Primary Accession | Q13057 |
| Clonality | Monoclonal |
| Other Names | |
| CoA kinase; COASY; DPCK; DPCOAK; NBP; POV2; PPAT; UKR1; | |
| Isotype | Rabbit IgG |
| Host | Rabbit |
| Calculated MW | 62329 Da |

COASY Antibody - Additional Information

| | |
|------------------------------|---|
| Dilution | WB~~1:1000 FC~~1:10~50 |
| Purification | Affinity-chromatography |
| Immunogen | A synthesized peptide derived from human COASY |
| Description | Bifunctional enzyme that catalyzes the fourth and fifth sequential steps of CoA biosynthetic pathway. |
| Storage Condition and Buffer | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle. |

COASY Antibody - 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

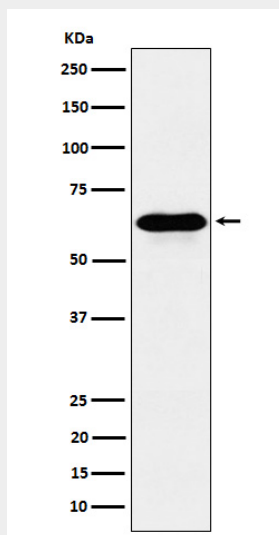
peripheral blood leukocytes and highest in kidney and liver. Isoform 2 is expressed mainly in the brain

COASY Antibody - 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 - Images



Western blot analysis of COASY expression in HeLa cell lysate.