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COASY Antibody

Rabbit mAb
Catalog # AP92722

Product Information

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

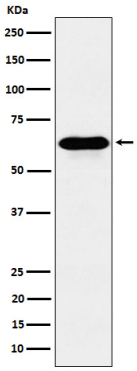
Additional Information

Dilution	WB 1:500~1:2000 FC 1:50
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.

Protein Information

Name	COASY (HGNC:29932)
Function	Bifunctional enzyme that catalyzes the fourth step of the coenzyme A biosynthetic pathway, the adenylation of 4'- phosphopantetheine, and the fifth step, the phosphorylation of dephospho-CoA to CoA.
Cellular Location	Cytoplasm, cytosol. Mitochondrion matrix. Note=The protein is mainly cytosolic and active in the cytosol (PubMed:40925986). Present in the mitochondrial matrix, probably anchored to the inner mitochondrial membrane (PubMed:24360804).
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

Images



Western blot analysis of COASY expression in HeLa cell lysate.

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