Mouse COASY Monoclonal Antibody | anti-COASY antibody

COASY antibody

CATALOG #	HOST	APPLICATIONS
AAA108154	**Mouse**	**Western Blot, Immunohistochemistry, Flow Cytometry, Functional Assay, Immunofluorescence**

PRODUCT SYNONYMS

COASY; Monoclonal Antibody; COASY antibody; Monoclonal COASY; Anti-COASY; DPCK; FLJ35179; NBP; pOV-2; PPAT; UKR1; anti-COASY antibody

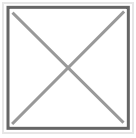
PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	3B3
Purity/Purification	COASY antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	0.5-1 mg/ml (varies by lot)
Sequence Length	269
Applicable Applications for anti-COASY antibody	WB (Western Blot), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry), IF (Immunofluorescence)
Biological Significance	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 and dephospho-CoA kinase, in prokaryotes
Cross-Reactivity	Human
Immunogen	COASY antibody was raised in Mouse using full length human recombinant protein of human COASY produced in HEK293T cell as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES

IF (Immunofluorescence)
Immunofluorescent staining of COS7 cells transiently transfected with recombinant COASY protein using COASY antibody

IHC (Immunohiostchemistry)
Immunohistochemical analysis of COASY protein in paraffin embedded Human Kidney tissue using COASY antibody



WB (Western Blot)
Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant COASY protein (Right) or empty vector (Left) detected with COASY antibody

ADDITIONAL INFORMATION

Related Product Information for anti-COASY antibody	Mouse monoclonal COASY antibody
Product Categories/Family for anti-COASY antibody	Proteases; Inhibitors; & Enzymes

NCBI AND UNIPROT INFORMATION

NCBI GI #	21594102
NCBI GeneID	80347
Molecular Weight	65,339 Da
NCBI Official Full Name	COASY protein
NCBI Official Synonym Full Names	CoA synthase
NCBI Official Symbol	COASY
NCBI Official Synonym Symbols	NBP; DPCK; PPAT; UKR1; NBIA6; pOV-2
NCBI Protein Information	bifunctional coenzyme A synthase
UniProt Protein Name	Bifunctional coenzyme A synthase
UniProt Gene Name	**COASY**
UniProt Synonym Gene Names	CoA synthase; PPAT; DPCK; DPCOAK
UniProt Entry Name	COASY_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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