

For Research Use Only

COASY Monoclonal antibody, PBS Only



Catalog Number: 68358-1-PBS

Basic Information

Catalog Number: 68358-1-PBS	GenBank Accession Number: BC020985	Purification Method: Protein G purification
Size: 1mg/ml	GeneID (NCBI): 80347	CloneNo.: 1D1C11
Source: Mouse	UNIPROT ID: Q13057	
Isotype: IgG1	Full Name: Coenzyme A synthase	
Immunogen Catalog Number: AG33142	Calculated MW: 564 aa, 62 kDa	
	Observed MW: 62 kDa	

Applications

Tested Applications:
Indirect ELISA, IHC, WB

Species Specificity:
rat, mouse, human

Background Information

Bifunctional coenzyme A synthase (COASY) is a bifunctional enzyme that catalyzes the fourth and fifth sequential steps of the CoA biosynthetic pathway. The fourth reaction is catalyzed by the phosphopantetheine adenyltransferase, 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. It was reported that having a key role in erythroid maturation and identified upstream and downstream metabolites of COASY as a potential treatment for anemia in patients with MDS-RS (PMID: 36857430). COASY has 2 isoforms with molecular weights of 62 and 65 kDa.

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:

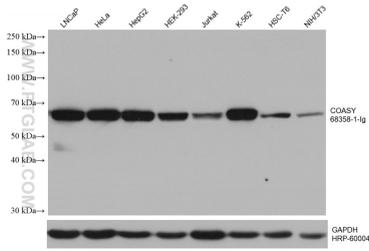
T: 4006900926

E: Proteintech-CN@ptglab.com

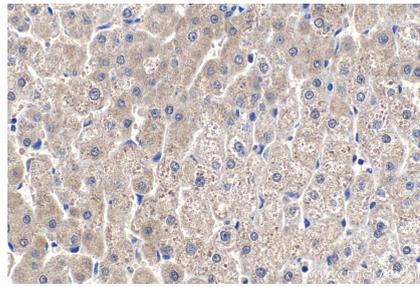
W: ptgcn.com

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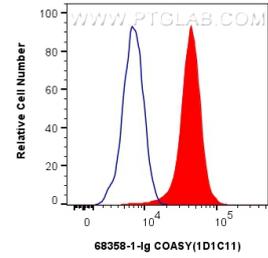
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68358-1-Ig (COASY antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control. This data was developed using the same antibody clone with 68358-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 68358-1-Ig (COASY antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 68358-1-PBS in a different storage buffer formulation.



1x10⁶ HeLa cells were intracellularly stained with 0.8 ug COASY Monoclonal antibody (68358-1-Ig, Clone:1D1C11) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1)(red), or 0.8 ug Mouse IgG1 isotype control Mouse McAb (66360-1-Ig, Clone: 1F8D3) (blue). Cells were fixed and permeabilized with True-Nuclear Transcription Factor Buffer Set. This data was developed using the same antibody clone with 68358-1-PBS in a different storage buffer