

Product datasheet for TA503343

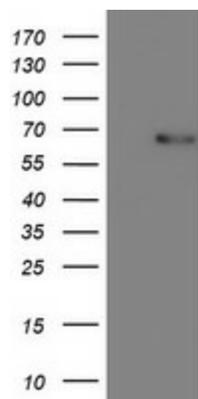
COASY Mouse Monoclonal Antibody [Clone ID: OTI2H1]

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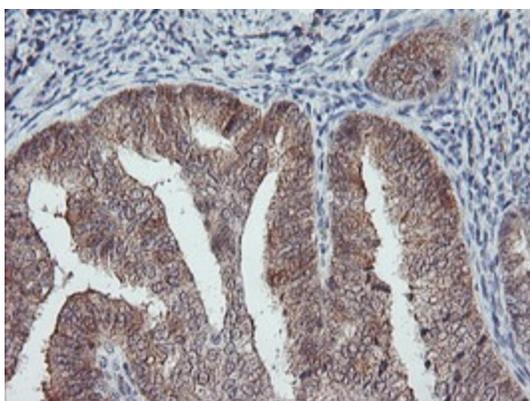
Product Type:	Primary Antibodies
Clone Name:	OTI2H1
Applications:	FC, IHC, WB
Recommend Dilution:	WB 1:2000, IHC 1:150, FLOW 1:100
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human COASY(NP_079509) produced in HEK293T cell.
Formulation:	PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.59 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Predicted Protein Size:	62.1 kDa
Gene Name:	Coenzyme A synthase
Database Link:	NP_079509 Entrez Gene 80347 Human
Background:	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 (PPAT; EC 2.7.7.3) and dephospho-CoA kinase (DPCK; EC 2.7.1.24), in prokaryotes (Daugherty et al., 2002 [PubMed 11923312]). [supplied by OMIM]
Synonyms:	DPCK; NBIA6; NBP; pOV-2; PPAT; UKR1
Protein Pathways:	Metabolic pathways, Pantothenate and CoA biosynthesis



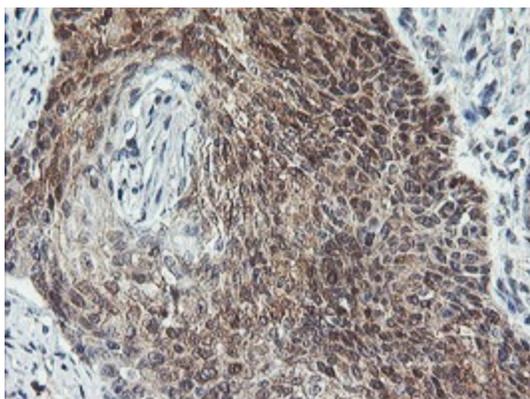
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Product images:

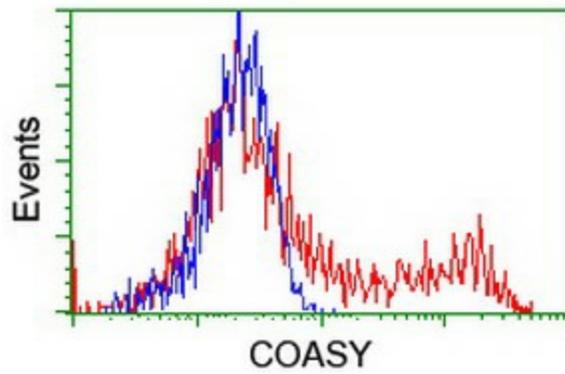
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY COASY ([RC220733], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-COASY. Positive lysates [LY403068] (100ug) and [LC403068] (20ug) can be purchased separately from OriGene.



Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-COASY mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA503343)



Immunohistochemical staining of paraffin-embedded Carcinoma of Human bladder tissue using anti-COASY mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA503343)



HEK293T cells transfected with either [RC220733] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-COASY antibody (TA503343), and then analyzed by flow cytometry.