

Datasheet for ABIN7266420

anti-COASY antibody[Go to Product page](#)**1** Image

Overview

Quantity:	100 µL
Target:	COASY
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This COASY antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	CoA synthase (COASY) Rabbit mAb
Immunogen:	A synthesized peptide derived from human CoA synthase (COASY).
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	COASY
Alternative Name:	COASY (COASY Products)
Background:	Coenzyme A (CoA) functions as a carrier of acetyl and acyl groups in cells and thus plays an

Target Details

important role in numerous synthetic and degradative metabolic pathways in all organisms. In eukaryotes, CoA and its derivatives are also involved in membrane trafficking and signal transduction. This gene encodes the bifunctional protein coenzyme A synthase (CoAsy) which carries out the last two steps in the biosynthesis of CoA from pantothenic acid (vitamin B5). The phosphopantetheine adenylyltransferase domain of this bifunctional protein catalyzes the conversion of 4'-phosphopantetheine into dephospho-coenzyme A (dpCoA) while its dephospho-CoA kinase domain completes the final step by phosphorylating dpCoA to form CoA. Mutations in this gene are associated with neurodegeneration with brain iron accumulation (NBIA). Alternative splicing results in multiple isoforms.,COASY, DPCK, NBIA6, NBP, PPAT, UKR1, pOV-2, Coenzyme A synthase,Cancer,Signal Transduction,Endocrine & Metabolism,Mitochondrial metabolism,Mitochondrial markers,COASY

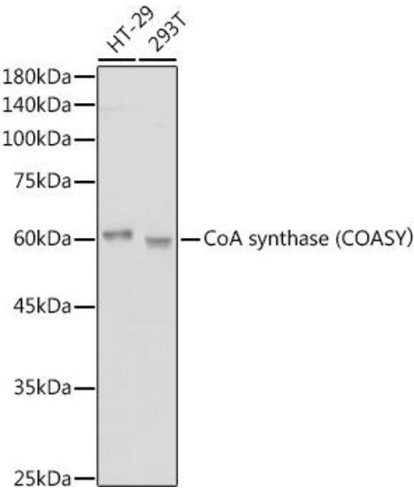
Molecular Weight:	62kDa
Gene ID:	80347
UniProt:	Q13057
Pathways:	Ribonucleoside Biosynthetic Process

Application Details

Application Notes:	WB,1:500 - 1:2000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using CoA synthase (COASY) antibody (ABIN7266420) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.