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Datasheet for ABIN7255964 anti-COASY antibody

Image



Overview

Quantity:	200 µL
Target:	COASY
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This COASY antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein of human COASY (NP_079509.5).
lsotype:	lgG
Characteristics:	Polyclonal Antibody
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 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

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Target Details

	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.
Molecular Weight:	Observed_MW: 62 kDa
Molecular Weight:	Observed_MW: 62 kDa Calculated_MW: 62 kDa/65 kDa
Molecular Weight: Gene ID:	
	Calculated_MW: 62 kDa/65 kDa

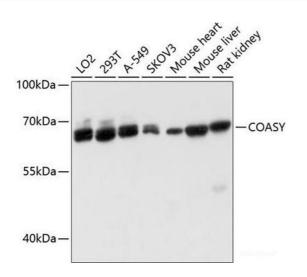
Application Details

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

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS with 0.02 % sodium azide, 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.

Images



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines using COASY Polyclonal Antibody at dilution of 1:3000.

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