

# CoA synthase (COASY) Rabbit mAb

Catalog No.: A0928 **Recombinant**

## Basic Information

**Observed MW**

62kDa

**Calculated MW**

62kDa

**Category**

Primary antibody

**Applications**

ELISA, WB

**Cross-Reactivity**

Human

**CloneNo number**

ARC2552

**Conjugate**

Unmodified

## Recommended Dilutions

WB 1:500 - 1:1000

## 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 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.

## Immunogen Information

**Gene ID**

80347

**Swiss Prot**

Q13057

**Immunogen**

A synthetic peptide corresponding to a sequence within amino acids 465-564 of human CoA synthase (COASY) (Q13057).

**Synonyms**

NBP; DPCK; PPAT; UKR1; NBIA6; PCH12; pOV-2; CoA synthase (COASY)

## Contact

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## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

Affinity purification

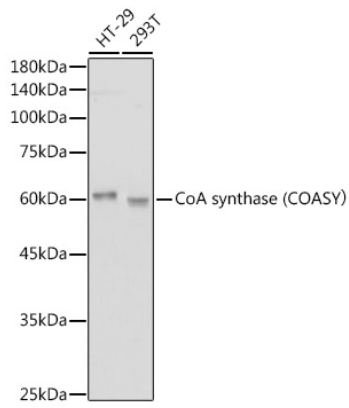
**Storage**

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH 7.3.

## Validation Data

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Western blot analysis of extracts of various cell lines, using CoA synthase (COASY) antibody (A0928) at 1:1000 dilution.

Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 10s.