

CAB0928

Product Information

Product SKU:	CAB0928	Gene ID:	80347	Size:	20uL, 100uL
Clone No:	ARC2552	Host Species:	Rabbit	Reactivity:	Human

Additional Information

Observed MW:	62kDa	Conjugate:	Unmodified
Calculated MW:	62kDa	Isotype:	IgG

Immunogen Information

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 adenyltransferase 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.
Recommended Dilution:	WB, 1:500 - 1:1000
Synonyms:	NBP; DPCK; PPAT; UKR1; NBIA6; PCH12; pOV-2; CoA synthase (COASY)
Purification Method:	Affinity purification
Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 465-564 of human CoA synthase (COASY) (Q13057).
Storage:	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH 7.3.