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Datasheet for ABIN1385641
anti-DCAKD antibody (AA 61-160)

Overview

Quantity:	100 µL
Target:	DCAKD
Binding Specificity:	AA 61-160
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DCAKD antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human DCAKD
Isotype:	IgG
Cross-Reactivity:	Human
Predicted Reactivity:	Mouse,Rat,Dog
Purification:	Purified by Protein A.

Target Details

Target:	DCAKD
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Target Details

Alternative Name:	Dcakd (DCAKD Products)
Background:	<p>Synonyms: Dephospho CoA kinase domain containing protein, Dephospho CoA kinase domain containing, isoform CRA_b, DCAKD_HUMAN.</p> <p>Background: DCAKD belongs to the coaE family. It contains one DPCK (dephospho CoA kinase) domain. There are two isoforms. Coenzyme A (CoA) is an essential cofactor used in numerous biochemical pathways. It plays a critical role in the synthesis and oxidation of fatty acids and is vital to the citric acid cycle. The biosynthesis pathway of CoA from pantothenic acid (also known as vitamin B5) is essential and universal in prokaryotes and eukaryotes. In humans, the final steps of the biosynthesis pathway are carried out by the bifunctional enzyme COASY. The sequence of these enzymes are highly conserved between different bacterial species. The phosphopantetheine adenylyltransferase and decoenzyme A kinase activities of COASY are evolutionarily conserved activities. DCAKD (deCoA kinase domain containing protein) is a 231 amino acid protein that consists of a deCoA kinase domain and an ATP nucleotide binding motif. Localizing to mitochondria and the cytosol, DCAKD belongs to the coaE family which suggests that it may play a role in the biosynthesis of CoA.</p>
Gene ID:	79877
Pathways:	SARS-CoV-2 Protein Interactome

Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Handling

Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months