

Datasheet for ABIN7143191
anti-ACAD9 antibody (AA 1-270)

3 Images

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Overview

Quantity:	100 µL
Target:	ACAD9
Binding Specificity:	AA 1-270
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ACAD9 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant Human Acyl-CoA dehydrogenase family member 9, mitochondrial protein (1-270AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antigen Affinity Purified

Target Details

Target:	ACAD9
Alternative Name:	ACAD9 (ACAD9 Products)
Background:	Background: Required for mitochondrial complex I assembly (PubMed:20816094,

Target Details

PubMed:24158852). Has a dehydrogenase activity on palmitoyl-CoA (C16:0) and stearoyl-CoA (C18:0). It is three times more active on palmitoyl-CoA than on stearoyl-CoA. However, it does not play a primary role in long-chain fatty acid oxidation in vivo (PubMed:20816094, PubMed:24158852). Has little activity on octanoyl-CoA (C8:0), butyryl-CoA (C4:0) or isovaleryl-CoA (5:0).

Aliases: ACAD9Complex I assembly factor ACAD9 antibody, mitochondrial antibody, Acyl-CoA dehydrogenase family member 9 antibody, ACAD-9 antibody, EC 1.3.8.- antibody

UniProt: [Q9H845](#)

Pathways: [SARS-CoV-2 Protein Interactome](#)

Application Details

Application Notes: Recommended dilution: WB:1:200-1:1000, IHC:1:20-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

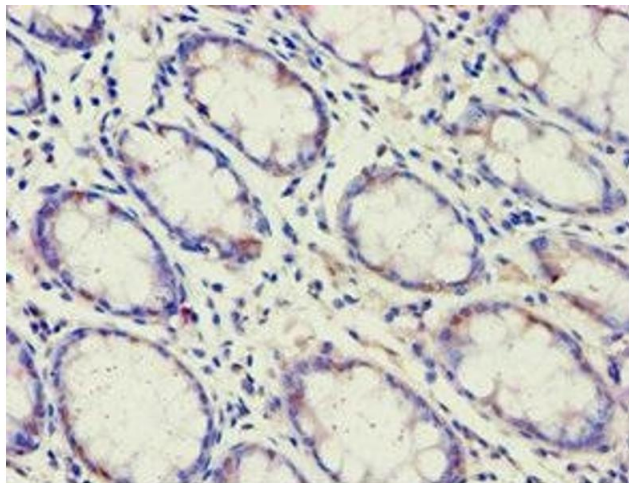
Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

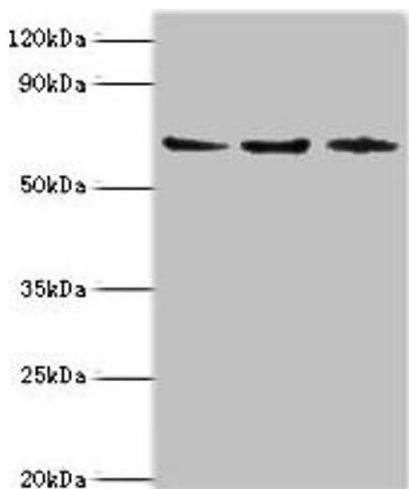
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



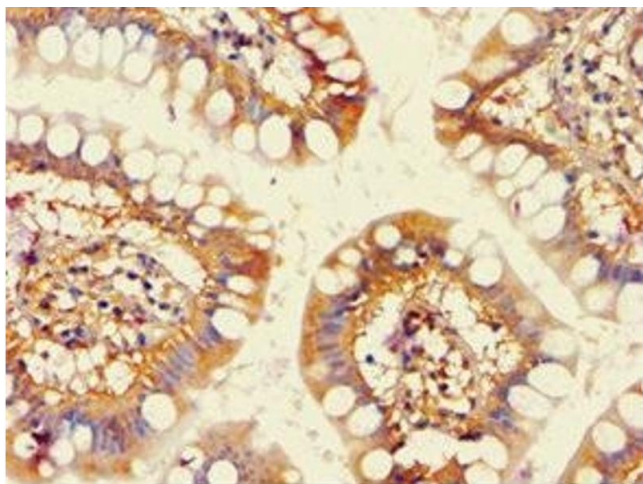
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human colon cancer using ABIN7143191 at dilution of 1:100



Western Blotting

Image 2. Western blot All lanes: ACAD9 antibody at 6 µg/mL
Lane 1: MCF-7 whole cell lysate Lane 2: 293T whole cell lysate Lane 3: K562 whole cell lysate Secondary Goat polyclonal to rabbit IgG at 1/10000 dilution Predicted band size: 69 kDa Observed band size: 69 kDa



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded human small intestine tissue using ABIN7143191 at dilution of 1:100