

ACAD8 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9488c**Specification**

ACAD8 Antibody (Center) - Product Information

Application	WB,E
Primary Accession	Q9UKU7
Other Accession	Q9D7B6
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	45070
Antigen Region	118-145

ACAD8 Antibody (Center) - Additional Information**Gene ID** 27034**Other Names**

Isobutyryl-CoA dehydrogenase, mitochondrial, 1399-, Activator-recruited cofactor 42 kDa component, ARC42, Acyl-CoA dehydrogenase family member 8, ACAD-8, ACAD8, ARC42, IBD

Target/Specificity

This ACAD8 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 118-145 amino acids from the Central region of human ACAD8.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

ACAD8 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

ACAD8 Antibody (Center) - Protein Information**Name** ACAD8 ([HGNC:87](#))

Synonyms ARC42, IBD

Function Isobutyryl-CoA dehydrogenase which catalyzes the conversion of 2-methylpropanoyl-CoA to (2E)-2-methylpropenoyl-CoA in the valine catabolic pathway (PubMed:[11013134](#), PubMed:[12359132](#), PubMed:[16857760](#)). To a lesser extent, also able to catalyze the oxidation of (2S)-2- methylbutanoyl-CoA (PubMed:[11013134](#), PubMed:[12359132](#)).

Cellular Location

Mitochondrion

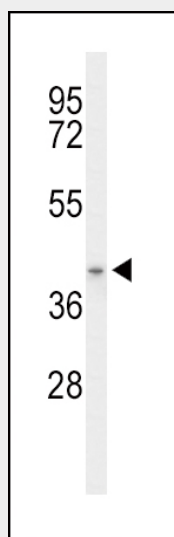
Tissue Location

Detected at comparable levels in heart, lung, brain, skeletal muscle, pancreas and placenta. Weakly expressed in liver and kidney.

ACAD8 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

ACAD8 Antibody (Center) - Images

Western blot analysis of ACAD8 Antibody (Center) (Cat. #AP9488c) in mouse stomach tissue lysates (35ug/lane). ACAD8 (arrow) was detected using the purified Pab.

ACAD8 Antibody (Center) - Background

ACAD8 is a member of the acyl-CoA dehydrogenase family of enzymes that catalyze the dehydrogenation of acyl-CoA derivatives in the metabolism of fatty acids or branch chained amino acids. This protein is a mitochondrial enzyme that functions in catabolism of the branched-chain

amino acid valine.

ACAD8 Antibody (Center) - References

Wollmer, M.A., et al. Neurogenetics 8(3):179-188(2007)

Ma, J., et al. Atherosclerosis 191(1):63-72(2007)

Battaile, K.P., et al. J. Biol. Chem. 279(16):16526-16534(2004)