

**ACAD8 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP9488c****Specification**

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**ACAD8 Antibody (Center) Blocking Peptide - Product Information**Primary Accession [Q9UKU7](#)**ACAD8 Antibody (Center) Blocking Peptide - 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

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**ACAD8 Antibody (Center) Blocking Peptide - 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:&lt;a href="http://www.uniprot.org/citations/11013134" target="\_blank"&gt;11013134&lt;/a&gt;, PubMed:&lt;a href="http://www.uniprot.org/citations/12359132" target="\_blank"&gt;12359132&lt;/a&gt;, PubMed:&lt;a href="http://www.uniprot.org/citations/16857760" target="\_blank"&gt;16857760&lt;/a&gt;). To a lesser extent, also able to catalyze the oxidation of (2S)-2-methylbutanoyl-CoA (PubMed:&lt;a href="http://www.uniprot.org/citations/11013134" target="\_blank"&gt;11013134&lt;/a&gt;, PubMed:&lt;a href="http://www.uniprot.org/citations/12359132" target="\_blank"&gt;12359132&lt;/a&gt;).

**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) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

## **ACAD8 Antibody (Center) Blocking Peptide - Images**

## **ACAD8 Antibody (Center) Blocking Peptide - 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) Blocking Peptide - 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)