Immunoway
Best Tools for immunology Research

# ACAD-9 Polyclonal Antibody

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| **Catalog No :** | YT0070 |
| **Reactivity :** | Human;Mouse;Rat |
| **Applications :** | IHC;IF;ELISA |
| **Target :** | ACAD-9 |
| **Gene Name :** | ACAD9 |
| **Protein Name :** | Acyl-CoA dehydrogenase family member 9 mitochondrial |
| **Human Gene Id :** | 28976 |
| **Human Swiss Prot No :** | Q9H845 |
| **Mouse Gene Id :** | 229211 |
| **Mouse Swiss Prot No :** | Q8JZN5 |
| **Immunogen :** | Synthesized peptide derived from ACAD-9 . at AA range: 530-610 |
| **Specificity :** | ACAD-9 Polyclonal Antibody detects endogenous levels of ACAD-9 protein. |
| **Formulation :** | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| **Source :** | Polyclonal, Rabbit,IgG |
| **Dilution :** | IHC 1:100 - 1:300. ELISA: 1:20000.. IF 1:50-200 |
| **Purification :** | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| **Concentration :** | 1 mg/ml |
| **Storage Stability :** | -15°C to -25°C/1 year(Do not lower than -25°C) |

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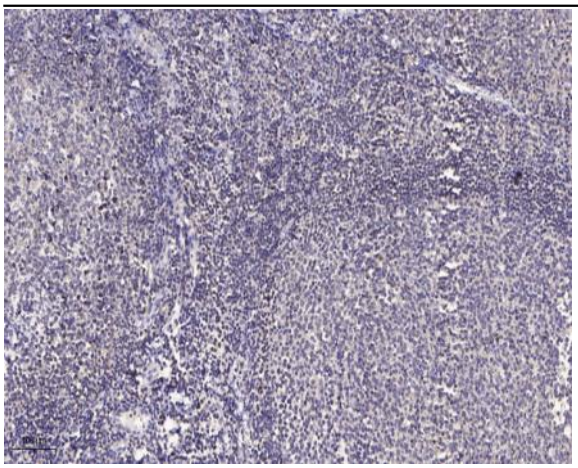
| **Molecularweight :** | 69kD |
| **Background :** | This gene encodes a member of the acyl-CoA dehydrogenase family. Members of this family of proteins localize to the mitochondria and catalyze the rate-limiting step in the beta-oxidation of fatty acyl-CoA. The encoded protein is specifically active toward palmitoyl-CoA and long-chain unsaturated substrates. Mutations in this gene cause acyl-CoA dehydrogenase family member type 9 deficiency. Alternate splicing results in multiple transcript variants.[provided by RefSeq, Mar 2010], |
| **Function :** | cofactor:FAD.,disease:Defects in ACAD9 are a cause of acyl-CoA dehydrogenase family member type 9 deficiency (ACAD9 deficiency) [MIM:611126]. ACAD9 deficiency patients present with episodic liver dysfunction during otherwise mild illnesses or cardiomyopathy, along with chronic neurologic dysfunction.,function:Has a dehydrogenase activity on palmitoyl-CoA (C16:0) and stearoyl-CoA (C18:0). It is three times more active on palmitoyl-CoA then on stearoyl-CoA. Has little activity on octanoyl-CoA (C8:0), butyryl-CoA (C4:0) or isovaleryl-CoA (5:0).,similarity:Belongs to the acyl-CoA dehydrogenase family.,tissue specificity:Ubiquitously expressed in most normal human tissues and cancer cell lines with high level of expression in heart, skeletal muscles, brain, kidney and liver., |
| **Subcellular Location :** | Mitochondrion inner membrane ; Peripheral membrane protein ; Matrix side . Essentially associated with membranes. . |
| **Expression :** | Ubiquitously expressed in most normal human tissues and cancer cell lines with high level of expression in heart, skeletal muscles, brain, kidney and liver (PubMed:12359260). In the cerebellum uniquely expressed in the granular layer (at protein level) (PubMed:21237683). |
| **Sort :** | 1612 |
| **No4 :** | 1 |
| **Host :** | Rabbit |
| **Modifications :** | Unmodified |

## Products Images



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).