

Product datasheet for **CF811802**

ACAD9 Mouse Monoclonal Antibody [Clone ID: OTI1D4]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI1D4
Applications:	IHC, WB
Recommended Dilution:	WB 1:500~2000, IHC 1:500
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human ACAD9 (NP_054768) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	68.6 kDa
Gene Name:	acyl-CoA dehydrogenase family member 9
Database Link:	NP_054768 Entrez Gene 229211 Mouse Entrez Gene 294973 Rat Entrez Gene 28976 Human Q9H845



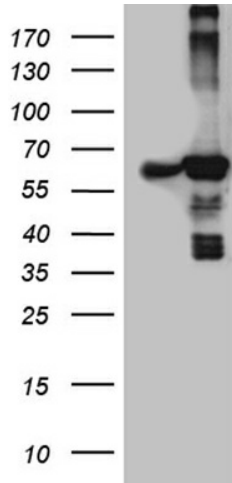
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Background:

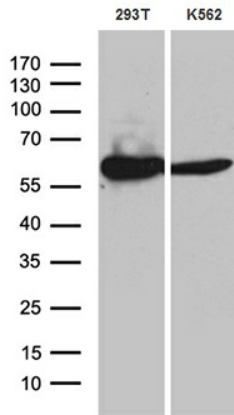
This gene encodes a member of the acyl-CoA dehydrogenase family. Members of this family of proteins localize to the mitochondria and catalyze the rate-limiting step in the beta-oxidation of fatty acyl-CoA. The encoded protein is specifically active toward palmitoyl-CoA and long-chain unsaturated substrates. 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]

Synonyms:

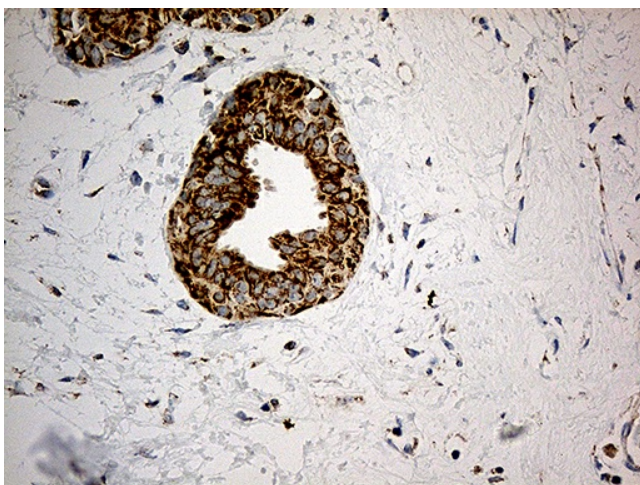
NPD002

Product images:


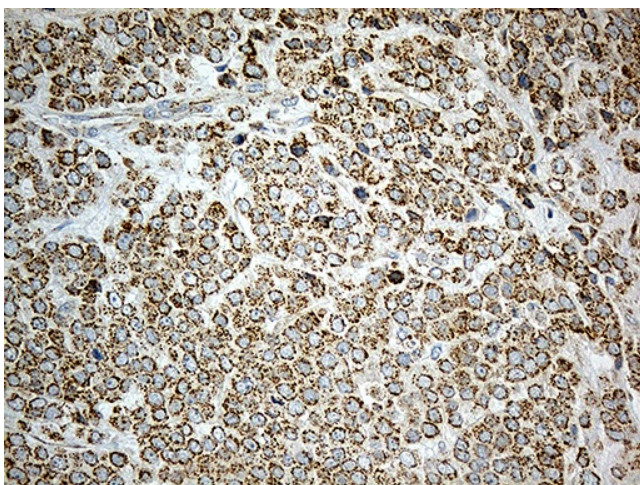
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY ACAD9 (Cat# [RC203235], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-ACAD9 (Cat# [TA811802])(1:2000). Positive lysates [LY402280] (100ug) and [LC402280] (20ug) can be purchased separately from OriGene.



Western blot analysis of extracts (35ug) from 2 different cell lines by using anti-ACAD9 monoclonal antibody (1:500).



Immunohistochemical staining of paraffin-embedded Human breast tissue within the normal limits using anti-ACAD9 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA811802]) (1:500)



Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human breast tissue tissue using anti-ACAD9 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA811802]) (1:500)