

## ACAD11 Antibody

Catalog No: #36016

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## Description

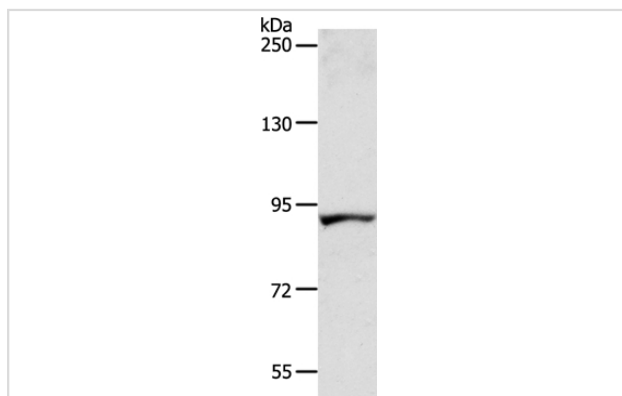
Product Name	ACAD11 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total ACAD11 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from internal residues of human Acyl-CoA dehydrogenase family, member 11
Target Name	ACAD11
Other Names	ACAD-11
Accession No.	Swiss-Prot#: Q709F0NCBI Gene ID: 84129Gene Accssion: BC125204
Uniprot	Q709F0
GeneID	84129;
SDS-PAGE MW	87kd
Concentration	0.7mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol.
Storage	Store at -20°C

## Application Details

Western blotting: 1:200-1:1000

Immunohistochemistry: 1:15-1:50

## Images



Gel: 8%SDS-PAGE

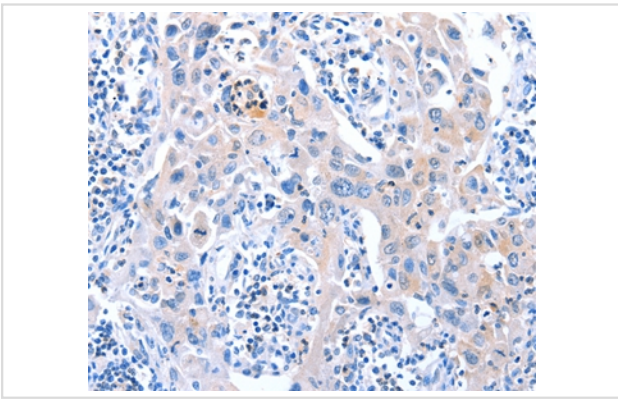
Lysates (from left to right): Human fetal liver tissue

Amount of lysate: 40ug per lane

Primary antibody: 1/300 dilution

Secondary antibody dilution: 1/8000

Exposure time: 1 minute



Immunohistochemical analysis of paraffin-embedded Human lung cancer tissue using #36016 at dilution 1/15.

## Background

The deduced full-length ACAD11 protein contains an N-terminal aminoglycoside phosphotransferase domain, followed by a mitochondria localization signal and ACAD N-terminal, middle, and C-terminal domains. It also has a glycosylation site and a C-terminal peroxisome-targeting signal. The ACAD domain contains a catalytic aspartate rather than the catalytic glutamate found in most other ACADs. Real-time RT-PCR detected variable ACAD11 expression in all tissues examined, with highest expression in adult brain, followed by heart, liver, spinal cord, and kidney. Western blot analysis of fractionated human cerebellum and kidney revealed that ACAD11 associated with mitochondrial membranes, but not mitochondrial matrix. Immunohistochemical analysis showed that ACAD11 colocalized with a mitochondrial marker in human neuroblastoma cells.

Note: This product is for in vitro research use only