Anti-ACAD11 antibody

Cat. No.	ml221461
Package	25 μl/100 μl/200 μl
Storage	-20°C, pH7.4 PBS, 0.05% NaN3, 40% Glycerol

Product overview

Description	Anti-ACAD11 rabbit polyclonal antibody
Applications	ELISA, WB, IHC
Immunogen	Fusion protein of human ACAD11
Reactivity	Human, Rat
Content	0.1 mg/ml
Host species	Rabbit
Ig class	Immunogen-specific rabbit IgG
Purification	Antigen affinity purification

Target information

Symbol	ACAD11
Full name	Acyl-CoA dehydrogenase family, member 11

Synonyms	ACAD-11
Swissprot	Q709F0

Target 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 thatACAD11 associated with mitochondrial membranes, but not mitochondrial matrix. Immunohistochemical analysis showed that ACAD11colocalized with a mitochondrial marker in human neuroblastoma cells.

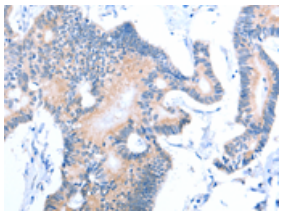
Applications

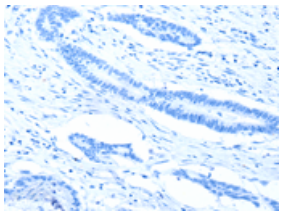
Immunohistochemistry

Predicted cell location: Cytoplasm

Positive control: Human colon cancer

Recommended dilution: 15-50



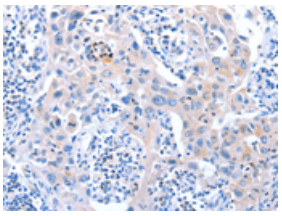


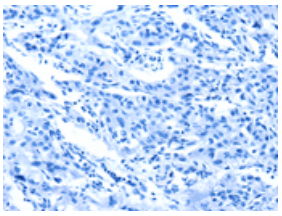
The image on the left is immunohistochemistry of paraffin-embedded Human colon cancer tissue using ml221461(ACAD11 Antibody) at dilution 1/15, on the right is treated with fusion protein. (Original magnification: ×200)

Predicted cell location: Cytoplasm

Positive control: Human lung cancer

Recommended dilution: 15-50





The image on the left is immunohistochemistry of paraffin-embedded Human lung cancer tissue using ml221461(ACAD11 Antibody) at dilution 1/15, on the right is treated with fusion protein. (Original magnification: ×200)

Western blotting

Predicted band size:87 kDa

Positive control:Human fetal liver tissue

Recommended dilution: 200-1000

Gel: 8%SDS-PAGE

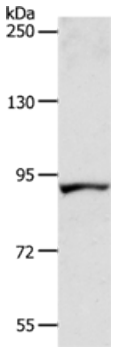
Lysate: 40 μg

Lane: Human fetal liver tissue

Primary antibody: ml221461(ACAD11 Antibody) at dilution 1/300

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 1 minute



ELISA

Recommended dilution: 1000-2000

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