

ACOT9 Antibody (clone 4E4)
Mouse Monoclonal Antibody
Catalog # ALS13484**Specification**

ACOT9 Antibody (clone 4E4) - Product Information

Application	WB, IF, IHC
Primary Accession	O9Y305
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	50kDa KDa

ACOT9 Antibody (clone 4E4) - Additional Information**Gene ID** 23597**Other Names**

Acyl-coenzyme A thioesterase 9, mitochondrial, Acyl-CoA thioesterase 9, 3.1.2.-, Acyl-CoA thioester hydrolase 9, ACOT9

Reconstitution & Storage

Store at -20°C. Aliquot to avoid freeze/thaw cycles.

Precautions

ACOT9 Antibody (clone 4E4) is for research use only and not for use in diagnostic or therapeutic procedures.

ACOT9 Antibody (clone 4E4) - Protein Information**Name** ACOT9**Function**

Acyl-CoA thioesterases are a group of enzymes that catalyze the hydrolysis of acyl-CoAs to the free fatty acid and coenzyme A (CoASH), providing the potential to regulate intracellular levels of acyl-CoAs, free fatty acids and CoASH. Active on long chain acyl-CoAs.

Cellular Location

Mitochondrion.

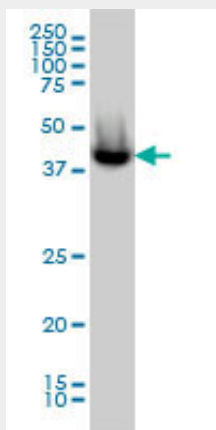
ACOT9 Antibody (clone 4E4) - Protocols

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

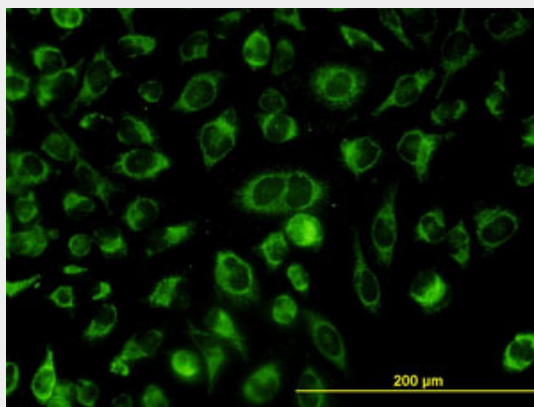
- [Western Blot](#)
- [Blocking Peptides](#)

- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

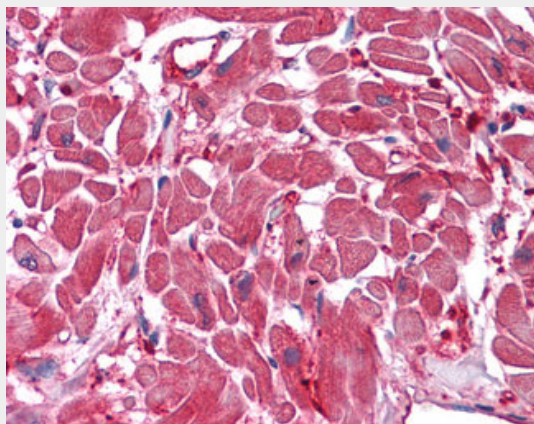
ACOT9 Antibody (clone 4E4) - Images



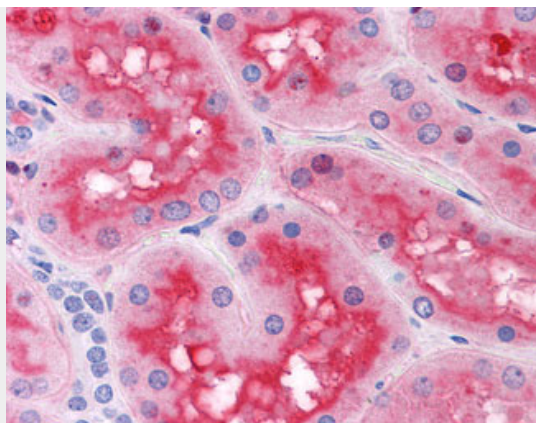
ACATE2 monoclonal antibody, clone 4E4 Western blot of ACATE2 expression in MCF-7.



Immunofluorescence of monoclonal antibody to ACOT9 on HeLa cell (antibody concentration 10 ug/ml).



Anti-ACOT9 antibody IHC of human heart.



Anti-ACOT9 antibody IHC of human kidney.

ACOT9 Antibody (clone 4E4) - Background

Acyl-CoA thioesterases are a group of enzymes that catalyze the hydrolysis of acyl-CoAs to the free fatty acid and coenzyme A (CoASH), providing the potential to regulate intracellular levels of acyl-CoAs, free fatty acids and CoASH. Active on long chain acyl-CoAs.

ACOT9 Antibody (clone 4E4) - References

- Lai C.-H.,et al.Genome Res. 10:703-713(2000).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Bechtel S.,et al.BMC Genomics 8:399-399(2007).
Ross M.T.,et al.Nature 434:325-337(2005).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.