

ACATE2 Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a full length recombinant ACATE2.****Catalog # AT1020a****Specification**

ACATE2 Antibody (monoclonal) (M01) - Product Information

Application	WB, IHC, IF, E
Primary Accession	O9Y305
Other Accession	BC012573
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 Kappa
Calculated MW	49902

ACATE2 Antibody (monoclonal) (M01) - Additional Information**Gene ID** 23597**Other Names**

Acyl-coenzyme A thioesterase 9, mitochondrial, Acyl-CoA thioesterase 9, 312-, Acyl-CoA thioester hydrolase 9, ACOT9

Target/Specificity

ACATE2 (AAH12573, 1 a.a. ~ 212 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000

IHC~~1:100~500

IF~~1:50~200

E~~N/A

Format

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions

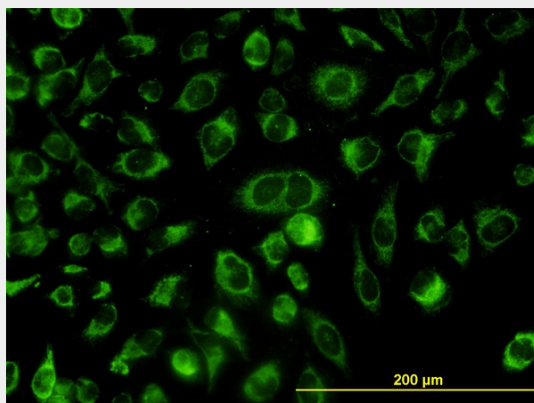
ACATE2 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

ACATE2 Antibody (monoclonal) (M01) - Protocols

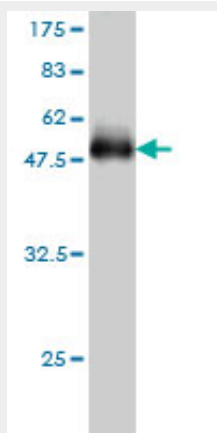
Provided below are standard protocols that you may find useful for product applications.

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

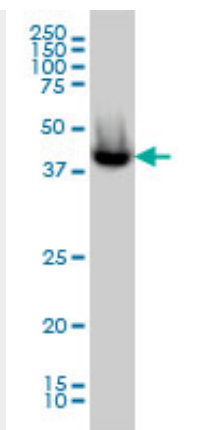
ACATE2 Antibody (monoclonal) (M01) - Images



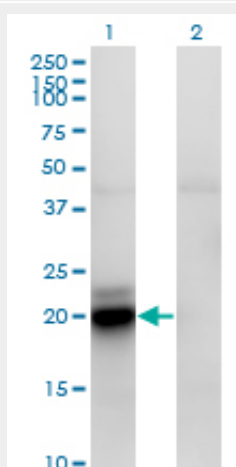
Immunofluorescence of monoclonal antibody to ACOT9 on HeLa cell. [antibody concentration 10 ug/ml]



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (49.06 KDa) .



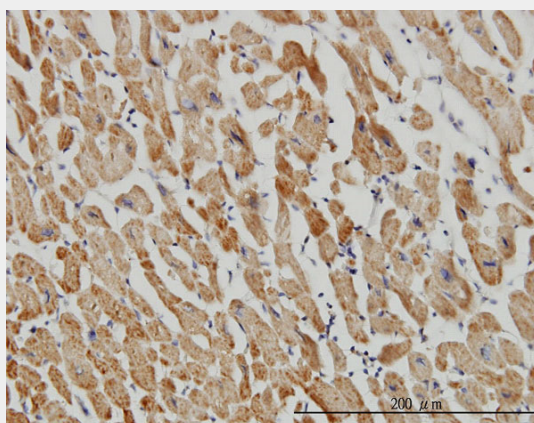
ACATE2 monoclonal antibody (M01), clone 4E4 Western Blot analysis of ACATE2 expression in MCF-7 (Cat # AT1020a)



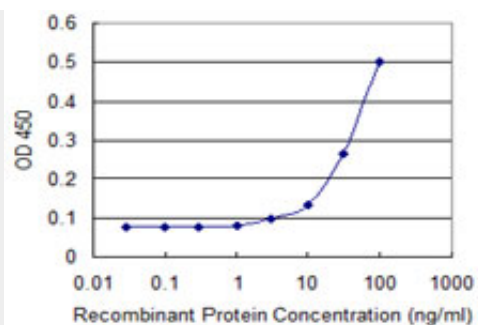
Western Blot analysis of ACOT9 expression in transfected 293T cell line by ACATE2 monoclonal antibody (M01), clone 4E4.

Lane 1: ACOT9 transfected lysate(24 KDa).

Lane 2: Non-transfected lysate.



Immunoperoxidase of monoclonal antibody to ACOT9 on formalin-fixed paraffin-embedded human heart. [antibody concentration 3 ug/ml]



Detection limit for recombinant GST tagged ACOT9 is approximately 3ng/ml as a capture antibody.

ACATE2 Antibody (monoclonal) (M01) - Background

The protein encoded by this gene is a mitochondrial acyl-CoA thioesterase of unknown function. Two transcript variants encoding different isoforms have been found for this gene.

ACATE2 Antibody (monoclonal) (M01) - References

1. Proteomic Analysis of Left Ventricular Remodeling in an Experimental Model of Heart Failure. Cieniewski-Bernard C, Mulder P, Henry JP, Drobecq H, Dubois E, Pottiez G, Thuillez C, Amouyel P, Richard V, Pinet F. J Proteome Res. 2008 Nov 7;7(11):5004-5016. Epub 2008 Oct 16.