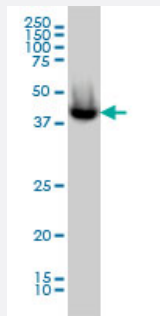


ACATE2 monoclonal antibody (M01), clone 4E4

Catalog # H00023597-M01

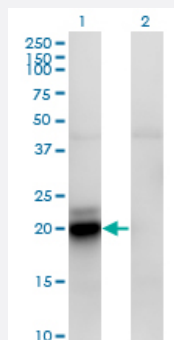
Size 100 ug

Applications



Western Blot (Cell lysate)

ACATE2 monoclonal antibody (M01), clone 4E4 Western Blot analysis of ACATE2 expression in MCF-7 (Cat # L046V1).

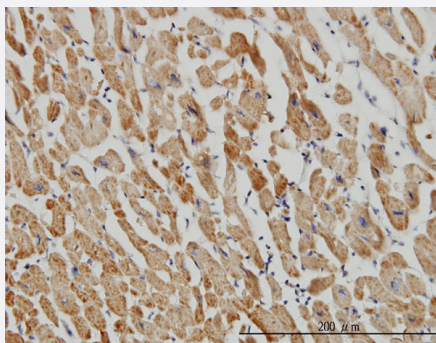


Western Blot (Transfected lysate)

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

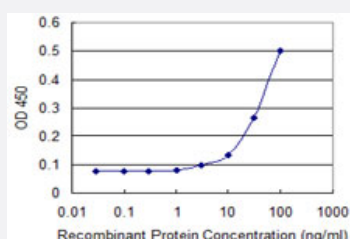
Lane 1: ACOT9 transfected lysate(24 KDa).

Lane 2: Non-transfected lysate.



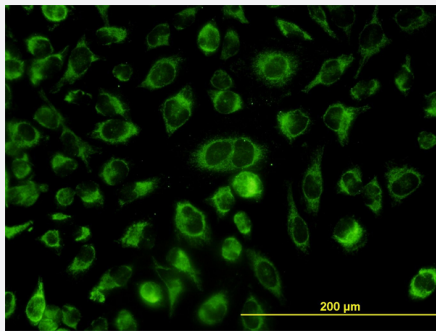
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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



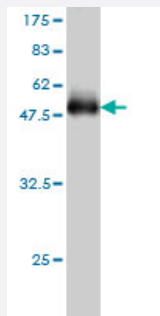
Sandwich ELISA (Recombinant protein)

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



Immunofluorescence

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



Western Blot detection against Immunogen (49.06 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant ACATE2.
Immunogen	ACATE2 (AAH12573, 1 a.a. ~ 212 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MRRAALRLCALGKGQLTPGRGLTQGPQNPKKQGIFHIHEVRDKLREMGASTNWRDHVKAMEER KLLHSFLAKSQDGLPPRRMKDSYIEVLLPLGSEPELREKYLTVQNTVRFGRILEDLDLGLVLCYMH NKIHSKMSPLSIVTALVDKIDMCKKSLSPQDIKFSGHVSWVGKTSMEVKMQMFQLHGDEFCP VLDAFVMVARDSENGK
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (80); Rat (79)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (49.06 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

ACATE2 monoclonal antibody (M01), clone 4E4 Western Blot analysis of ACATE2 expression in MCF-7 (Cat # L046V1).

[Protocol Download](#)

- Western Blot (Transfected lysate)

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.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

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

[Protocol Download](#)

- ELISA

- Immunofluorescence

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

Gene Info — ACOT9

Entrez GeneID	23597
---------------	-----------------------

GeneBank Accession#	BC012573
---------------------	--------------------------

Protein Accession#	AAH12573
--------------------	--------------------------

Gene Name	ACOT9
Gene Alias	ACATE2, CGI-16, MT-ACT48
Gene Description	acyl-CoA thioesterase 9
Gene Ontology	Hyperlink
Gene Summary	mitochondrial mitochondrial Acyl-CoA Thioesterase
Other Designations	OTTHUMP00000023065 acyl-Coenzyme A thioesterase 2, mitochondrial mitochondrial Acyl-CoA Thioesterase

Publication Reference

- [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.
Journal of Proteome Research 2008 Oct; 7(11):5004.

Application: WB, Rat, Rat heart