

ACAA2 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant ACAA2.

Catalog # AT1016a

Specification

ACAA2 Antibody (monoclonal) (M01) - Product Information

Application	IF, WB, IHC, E
Primary Accession	P42765
Other Accession	NM_006111
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 Kappa
Calculated MW	41924

ACAA2 Antibody (monoclonal) (M01) - Additional Information

Gene ID 10449

Other Names

3-ketoacyl-CoA thiolase, mitochondrial, Acetyl-CoA acyltransferase, Beta-ketothiolase, Mitochondrial 3-oxoacyl-CoA thiolase, T1, ACAA2

Target/Specificity

ACAA2 (NP_006102, 151 a.a. ~ 260 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000

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

ACAA2 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

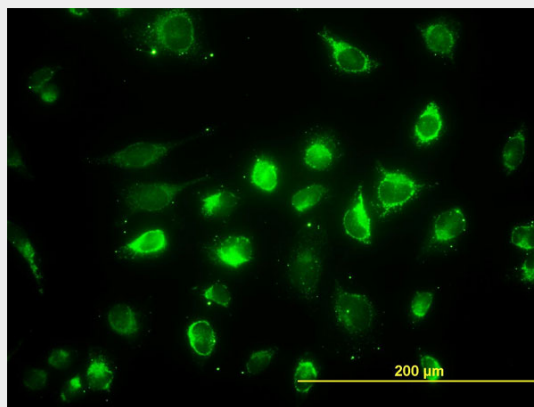
ACAA2 Antibody (monoclonal) (M01) - Protocols

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

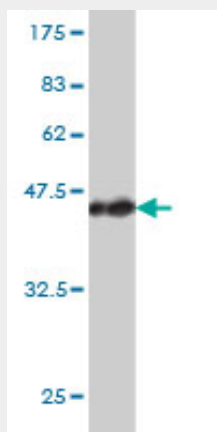
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

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

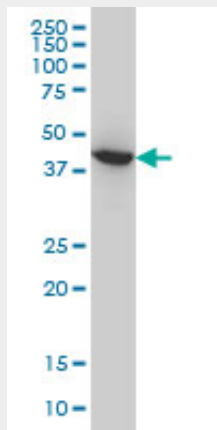
ACAA2 Antibody (monoclonal) (M01) - Images



Immunofluorescence of monoclonal antibody to ACAA2 on HeLa cell. [antibody concentration 40 ug/ml]

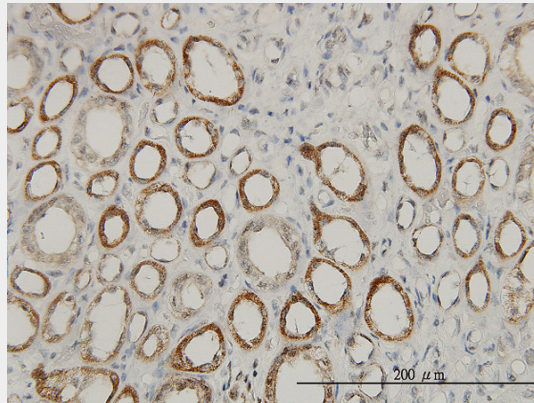


Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.84 KDa) .

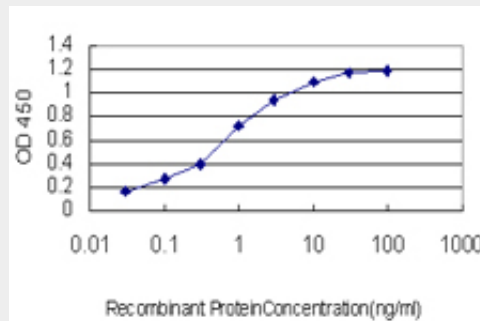


ACAA2 monoclonal antibody (M01), clone 5C4 Western Blot analysis of ACAA2 expression in HeLa

((Cat # AT1016a)



Immunoperoxidase of monoclonal antibody to ACAA2 on formalin-fixed paraffin-embedded human kidney. [antibody concentration 3 ug/ml]



Detection limit for recombinant GST tagged ACAA2 is approximately 0.1ng/ml as a capture antibody.

ACAA2 Antibody (monoclonal) (M01) - Background

The encoded protein catalyzes the last step of the mitochondrial fatty acid beta-oxidation spiral. Unlike most mitochondrial matrix proteins, it contains a non-cleavable amino-terminal targeting signal.

ACAA2 Antibody (monoclonal) (M01) - References

1.Opposing effects of dietary sugar and saturated fat on cardiovascular risk factors and glucose metabolism in mitochondrially impaired mice.Kuhl D, Zarse K, Voigt A, Schulz TJ, Petzke K, Schomburg L, Pfeiffer AF, Ristow M.Eur J Nutr. 2010 Mar 10. [Epub ahead of print]