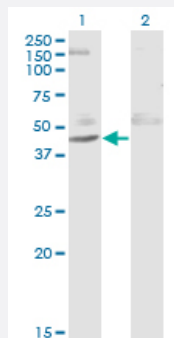


ACY1 monoclonal antibody (M02), clone 1A11-F6

Catalog # H00000095-M02

Size 100 ug

Applications

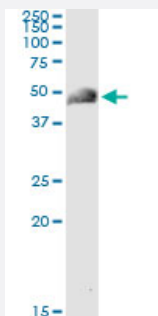


Western Blot (Transfected lysate)

Western Blot analysis of ACY1 expression in transfected 293T cell line by ACY1 monoclonal antibody (M02), clone 1A11-F6.

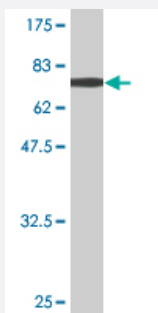
Lane 1: ACY1 transfected lysate (Predicted MW: 45.9 KDa).

Lane 2: Non-transfected lysate.



Immunoprecipitation

Immunoprecipitation of ACY1 transfected lysate using anti-ACY1 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with ACY1 MaxPab rabbit polyclonal antibody.



Western Blot detection against Immunogen (70.62 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full-length recombinant ACY1.

Immunogen	ACY1 (AAH00545, 1 a.a. ~ 408 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MTSKGPAAEHPSVTLFRQYLRIQVQPKPDYGAAVAFFETARQLGLGCQKVEVAPGYVTVLT WPGTNPTLSSILLNSHTDVVPVFKEHWSHDPFEAFKDSEGYIARGAQDVKCVSIQYLEAVRRLK VEGHRFPRTIHMTFVPDEEVGGHQGMELFVQRPEFHALRAGFALDEGIANPTDAFTVFYSERSP WWWVRTSTGRPGHASRFMEDTAAEKLHKVVNSILAFREKEWQRLQSNPHLKEGSVTSVNLTKLE GGVAYNVIPATMSASFDFRVAPDVDFKAFEEQLQSWCQAAGEGVTLEFAQKWMHPQVTPPTDD SNPWWAAFSRVCKDMNLTLEPEIMPAATDNRYIRAVGVPALGFSPMNRTPVLLHDHDERLHEAV FLRGVDIYTRLLPALASVPALPSDS
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (85); Rat (87)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (70.62 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 (Transfected lysate)

Western Blot analysis of ACY1 expression in transfected 293T cell line by ACY1 monoclonal antibody (M02), clone 1A11-F6.

Lane 1: ACY1 transfected lysate (Predicted MW: 45.9 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunoprecipitation

Immunoprecipitation of ACY1 transfected lysate using anti-ACY1 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with ACY1 MaxPab rabbit polyclonal antibody.

[Protocol Download](#)

- ELISA

Gene Info — ACY1

Entrez GeneID	95
GeneBank Accession#	BC000545
Protein Accession#	AAH00545
Gene Name	ACY1
Gene Alias	ACY1D, ACYLASE
Gene Description	aminoacylase 1
Omim ID	104620 609924
Gene Ontology	Hyperlink
Gene Summary	Aminoacylase-1 is a cytosolic, homodimeric, zinc-binding enzyme that catalyzes the hydrolysis of acylated L-amino acids to L-amino acids and acyl group, and has been postulated to function in the catabolism and salvage of acylated amino acids. ACY1 has been assigned to chromosome 3p 21.1, a region reduced to homozygosity in small-cell lung cancer (SCLC), and its expression has been reported to be reduced or undetectable in SCLC cell lines and tumors. The amino acid sequence of human aminoacylase-1 is highly homologous to the porcine counterpart, and ACY1 is the first member of a new family of zinc-binding enzymes. [provided by RefSeq]
Other Designations	-

Pathway

- [Arginine and proline metabolism](#)
- [Biosynthesis of alkaloids derived from ornithine](#)
- [Metabolic pathways](#)