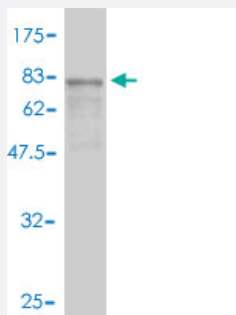


ACY1 polyclonal antibody (A01)

Catalog # H00000095-A01

Size 50 uL

Applications



Western Blot detection against Immunogen (70.99 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a full-length recombinant ACY1.
Immunogen	ACY1 (AAH00545, 1 a.a. ~ 408 a.a) full-length recombinant protein with GST tag.
Sequence	<p>MTSKGPAEEHPSVTLFRQYLRIQTVQPKPDYGAAVAFFFEETARQLGLGCQKVEVAPGYVTVLT</p> <p>WPGTNPTLSSILLNSHTDVPVPVFKHWSHDPFEAFKDSGEYIYARGAQDVKCVSIQYLEAVRRLK</p> <p>VEGHRFPRTIHMFTVPDEEVGGHQGMELFVQRPEFHALRAGFALDEGIANPTDAFTVFYSERSP</p> <p>WWWVRTSTGRPGHASRFMEDTAAEKLHKVVNSILAFREKEWQRLQSNPHLKEGSVTSVNLTKLE</p> <p>GGVAYNVIPATMSASFDFRVAPDVDFKAFEEQLQSWCQAAGEGVTFLEFAQKWMHPQVTPPTDD</p> <p>SNPWWAAFSRVCKDMNLTLEPEIMPAATDNRYIRAVGVPALGFSPMNRTPVLLHDHDERLHEAV</p> <p>FLRGVDIYTRLLPALASVPALPSDS</p>
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (85); Rat (87)
Quality Control Testing	<p>Antibody Reactive Against Recombinant Protein.</p> <p>Western Blot detection against Immunogen (70.99 KDa) .</p>
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[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 -

Publication Reference

- [Acylase 1 expression in rat intestinal crypt-villus axis.](#)

Cigna N, Nicoletti C, Durand A, Chaix JC, Giardina T, Perrier J.

Cell Biology International 2007 Mar; 31(9):966.

Application: IF, WB-Ti, Rat, Rat intestinal crypt- villus axis, digestive tract

- [Aminoacylase I deficiency: a novel inborn error of metabolism.](#)

Van Coster RN, Gerlo EA, Giardina TG, Engelke UF, Smet JE, De Praeter CM, Meersschaut VA, De Meirleir LJ, Seneca SH, Devreese B, Leroy JG, Herga S, Perrier JP, Wevers RA, Lissens W.

Biochemical and Biophysical Research Communications 2005 Nov; 338(3):1322.

Application: WB, Human, Lymphoblasts from the patient

Pathway

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