

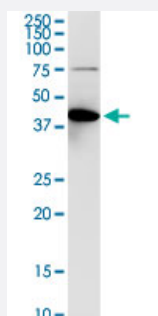
MaxPab®

ACY1 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00000095-D01P

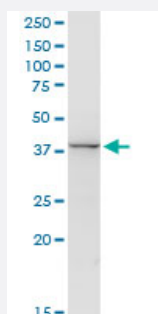
Size 100 ug

Applications



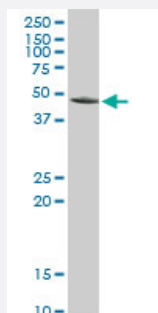
Western Blot (Tissue lysate)

ACY1 MaxPab rabbit polyclonal antibody. Western Blot analysis of ACY1 expression in human liver.



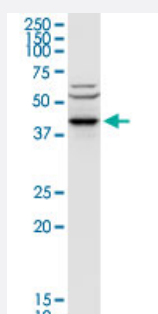
Western Blot (Tissue lysate)

ACY1 MaxPab rabbit polyclonal antibody. Western Blot analysis of ACY1 expression in mouse liver.



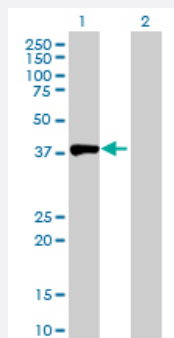
Western Blot (Cell lysate)

ACY1 MaxPab rabbit polyclonal antibody. Western Blot analysis of ACY1 expression in NIH/3T3.



Western Blot (Cell lysate)

ACY1 MaxPab rabbit polyclonal antibody. Western Blot analysis of ACY1 expression in MCF-7.



Western Blot (Transfected lysate)

Western Blot analysis of ACY1 expression in transfected 293T cell line ([H00000095-T01](#)) by ACY1 MaxPab polyclonal antibody.

Lane 1: ACY1 transfected lysate(45.90 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human ACY1 protein.
Immunogen	ACY1 (NP_000657.1, 1 a.a. ~ 408 a.a) full-length human protein.
Sequence	MTSKGPEEEHPSVTLFRQYLRIQVQPKPDYGA AVAFFEETARQLGLGCQKVEVAPGYVTVLT WPGTNPTLSSILLNSHTDVVPVFKEHWSHDPFEAFK DSEGYYARGAQDMKCVSIQYLEAVRRLK VEGHRFPRTIHMTFVPDEEVGGHQGMELFVQRPEFH ALRAGFALDEGIANPTDAFTVFYSERSP WWWVRTSTGRPGHASRFMEDTAAEKLHKVVNSILA FREKEWQRLQSNPHLKEGSVTSVNLTKLE GGVAYNVIPATMSASFDFRVAPDVDFKAFEEQLQSWCQA AGEVTLFAQKWMHPQVTPPTDD SNPWWAAFSRVCKDMNLTLEPEIMPAATDNRYIRAVGVPALGFSPMNRTPVLLHDHDERLHEAV FLRGVDIYTRLLPALASVPALPSDS
Host	Rabbit
Reactivity	Human, Mouse
Interspecies Antigen Sequence	Mouse (85); Rat (88)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
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 (Tissue lysate)

ACY1 MaxPab rabbit polyclonal antibody. Western Blot analysis of ACY1 expression in human liver.

[Protocol Download](#)

- Western Blot (Tissue lysate)

ACY1 MaxPab rabbit polyclonal antibody. Western Blot analysis of ACY1 expression in mouse liver.

[Protocol Download](#)

- Western Blot (Cell lysate)

ACY1 MaxPab rabbit polyclonal antibody. Western Blot analysis of ACY1 expression in NIH/3T3.

[Protocol Download](#)

- Western Blot (Cell lysate)

ACY1 MaxPab rabbit polyclonal antibody. Western Blot analysis of ACY1 expression in MCF-7.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of ACY1 expression in transfected 293T cell line ([H00000095-T01](#)) by ACY1 MaxPab polyclonal antibody.

Lane 1: ACY1 transfected lysate(45.90 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

Gene Info — ACY1

Entrez GeneID [95](#)

GeneBank Accession# [NM_000666.1](#)

Protein Accession# [NP_000657.1](#)

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

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Pathway

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