

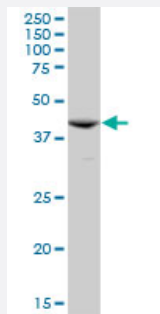
MaxPab®

# ACY1 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00000095-B01P

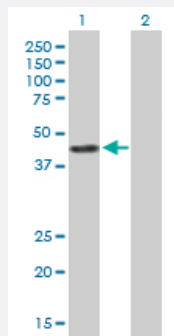
Size 50 ug

## Applications



### Western Blot (Cell lysate)

ACY1 MaxPab polyclonal antibody. Western Blot analysis of ACY1 expression in U-2 OS.



### Western Blot (Transfected lysate)

Western Blot analysis of ACY1 expression in transfected 293T cell line ([H00000095-T02](#)) by ACY1 MaxPab polyclonal antibody.

Lane 1: ACY1 transfected lysate(44.88 KDa).

Lane 2: Non-transfected lysate.

## Specification

### Product Description

Mouse 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

MTSKGPEEEHPSVTLFRQYLRI RTVQPKPDYGA AVAFFEETARQLGLGCQKVEVAPGYVTVLT  
WPGTNPTLSSILLNSHTDVPVFKEHWSHDPFEAFK DSEGYYARGAQDMKCVSIQYLEAVRRLK  
VEGHRFPRTIHM TFPDDEEVGGHQGMELFVQRPEFHALRAGFALDEGIANPTDAFTVFYSERSP  
WWWVRTSTGRPGHASRFMEDTAAEKLHKVVNSILAFREKEWQRLQSNPHLKEGSVTSVNLTKLE  
GGVAYNVIPATMSASFDFRVAPDVFKA FEEQLQSWCQAAGEGVTFLEFAQKWMHPQVTP TDD  
SNPWWAAFSRVCKDMNLTLEPEIMPAATDNRYIRAVGVPALGFSPMNRTPVLLHDHDERLHEAV  
FLRGVDIYTRLLPALASVPALPSDS

Host	Mouse
Reactivity	Human
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 (Cell lysate)

ACY1 MaxPab polyclonal antibody. Western Blot analysis of ACY1 expression in U-2 OS.

[Protocol Download](#)

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Western Blot analysis of ACY1 expression in transfected 293T cell line ([H00000095-T02](#)) by ACY1 MaxPab polyclonal antibody.

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## Gene Info — ACY1

Entrez GeneID	<a href="#">95</a>
GeneBank Accession#	<a href="#">NM_000666.1</a>
Protein Accession#	<a href="#">NP_000657.1</a>
Gene Name	ACY1
Gene Alias	ACY1D, ACYLASE
Gene Description	aminoacylase 1
Omim ID	<a href="#">104620 609924</a>
Gene Ontology	<a href="#">Hyperlink</a>

**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](#)