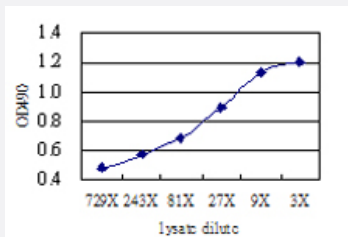


# ACY1 (Human) Matched Antibody Pair

Catalog # H00000095-AP61

Size 1 Set

## Applications



Sandwich ELISA detection sensitivity ranging from approximately 729x to 3x dilution of the ACY1 293T overexpression lysate (non-denatured).

## Specification

<b>Product Description</b>	This antibody pair set comes with a matched antibody pair to detect and quantify the protein level of human ACY1.
<b>Reactivity</b>	Human
<b>Quality Control Testing</b>	Standard curve using ACY1 293T overexpression lysate (non-denatured) as an analyte. Sandwich ELISA detection sensitivity ranging from approximately 729x to 3x dilution of the ACY1 293T overexpression lysate (non-denatured).
<b>Supplied Product</b>	Antibody pair set content: 1. Capture antibody: mouse monoclonal anti-ACY1, IgG1 Kappa (100 ug) 2. Detection antibody: rabbit MaxPab® affinity purified polyclonal anti-ACY1 (50 ug) *Reagents are sufficient for at least 3-5 x 96 well plates using recommended protocols.
<b>Storage Instruction</b>	Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze thaw cycle. Reagents should be returned to -20°C storage immediately after use.

## Applications

- ELISA Pair (Transfected lysate)

[Protocol Download](#)

## Gene Info — ACY1

**Entrez GeneID** [95](#)**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](#)