

Rabbit anti-Human ACY1 Polyclonal Antibody | anti-ACY1 antibody

ACY1 antibody

CATALOG # AAA303576	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunofluorescence, Western Blot
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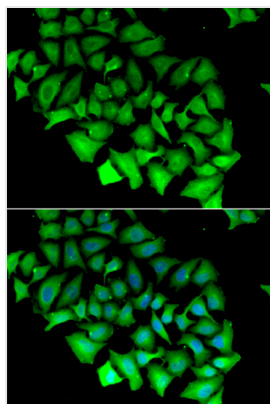
PRODUCT SYNONYMS

ACY1; Polyclonal Antibody; ACY1 antibody; ACY-1; ACY1D; HEL-S-5; anti-ACY1 antibody

PRODUCT SPECIFICATIONS

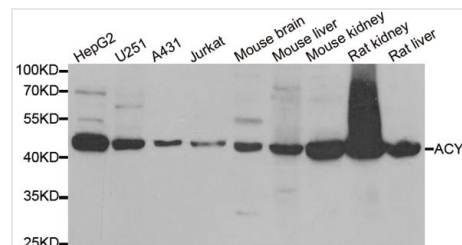
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	The antibody detects endogenous level of total ACY1 antibody.
Purity/Purification	Antibodies were purified by affinity purification using immunogen.
Form/Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	408
Applicable Applications for anti-ACY1 antibody	IF (Immunofluorescence), WB (Western Blot)
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human ACY1.
Target Name	ACY1
Preparation and Storage	Store at -20 degree C

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of HeLa cell using ACY1 antibody. Blue: DAPI for nuclear staining.



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using ACY1 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-ACY1 antibody	This gene encodes a cytosolic, homodimeric, zinc-binding enzyme that catalyzes the hydrolysis of acylated L-amino acids to L-amino acids and an acyl group, and has been postulated to function in the catabolism and salvage of acylated amino acids. This gene is located on chromosome 3p21.1, 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 this enzyme is the first member of a new family of zinc-binding enzymes. Mutations in this gene cause aminoacylase-1 deficiency, a metabolic disorder characterized by central nervous system defects and increased urinary excretion of N-acetylated amino acids. Alternative splicing of this gene results in multiple transcript variants. Read-through transcription also exists between this gene and the upstream ABHD14A (abhydrolase domain containing 14A) gene, as represented in GeneID:100526760. A related pseudogene has been identified on chromosome 18.
Product Categories/Family for anti-ACY1 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	4501901
NCBI GeneID	95
NCBI Accession #	NP_000657.1
NCBI GenBank Nucleotide #	NM_000666.2
UniProt Accession #	Q03154; C9J6I6; C9J9D8; C9JWD4
Molecular Weight	42,195 Da
NCBI Official Full Name	aminoacylase-1 isoform a
NCBI Official Synonym Full Names	aminoacylase 1
NCBI Official Symbol	ACY1
NCBI Official Synonym Symbols	ACY-1; ACY1D; HEL-S-5
NCBI Protein Information	aminoacylase-1
UniProt Protein Name	Aminoacylase-1
UniProt Gene Name	ACY1
UniProt Synonym Gene Names	ACY-1
UniProt Entry Name	ACY1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.