

ACY1 / Aminoacylase 1 Antibody
Rabbit Polyclonal Antibody
Catalog # ALS15704**Specification**

ACY1 / Aminoacylase 1 Antibody - Product Information

Application	WB, IHC-P, IF, ICC
Primary Accession	Q03154
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	46kDa KDa
Dilution	WB~~1:1000 IHC-P~~N/A IF~~1:50~200 ICC~~N/A

ACY1 / Aminoacylase 1 Antibody - Additional Information**Gene ID** 95**Other Names**

Aminoacylase-1, ACY-1, 3.5.1.14, N-acyl-L-amino-acid amidohydrolase, ACY1

Target/Specificity

Human Aminoacylase 1. Predicted cross-reactivity based on amino acid sequence homology: mouse (85%), rat (86%), bovine (87%), pig (86%).

Reconstitution & Storage

Aliquot and store at -20°C. Minimize freezing and thawing.

Precautions

ACY1 / Aminoacylase 1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

ACY1 / Aminoacylase 1 Antibody - Protein Information**Name** ACY1**Function**

Catalyzes the hydrolysis of N-acetylated amino acids to acetate and free amino acids.

Cellular Location

Cytoplasm.

Tissue Location

Expression is highest in kidney, strong in brain and weaker in placenta and spleen.

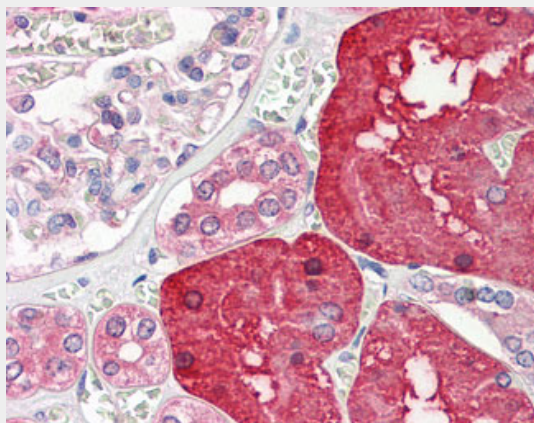
Volume
50 µl

ACY1 / Aminoacylase 1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

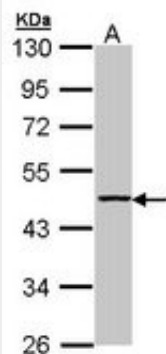
ACY1 / Aminoacylase 1 Antibody - Images



Anti-ACY1 / Aminoacylase 1 antibody IHC staining of human kidney.



Immunofluorescence of paraformaldehyde-fixed A431, using Aminoacylase-1 antibody at 1:200 dilution.



Sample (30 ug of whole cell lysate). A: H1299. 10% SDS PAGE. ACY1 antibody diluted at 1:1000.

ACY1 / Aminoacylase 1 Antibody - Background

Involved in the hydrolysis of N-acylated or N-acetylated amino acids (except L-aspartate).

ACY1 / Aminoacylase 1 Antibody - References

- Mitta M.,et al.Biochim. Biophys. Acta 1174:201-203(1993).
Cook R.M.,et al.J. Biol. Chem. 268:17010-17017(1993).
Iwaki K.,et al.Submitted (JUN-1993) to the EMBL/GenBank/DDBJ databases.
Muzny D.M.,et al.Nature 440:1194-1198(2006).
Burkard T.R.,et al.BMC Syst. Biol. 5:17-17(2011).