10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

ACY1 / Aminoacylase 1 Antibody
Rabbit Polyclonal Antibody
Catalog # ALS15704

Specification

ACY1 / Aminoacylase 1 Antibody - Product Information

Application	**IHC, IF, WB**
Primary Accession	Q03154
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**46kDa KDa**

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

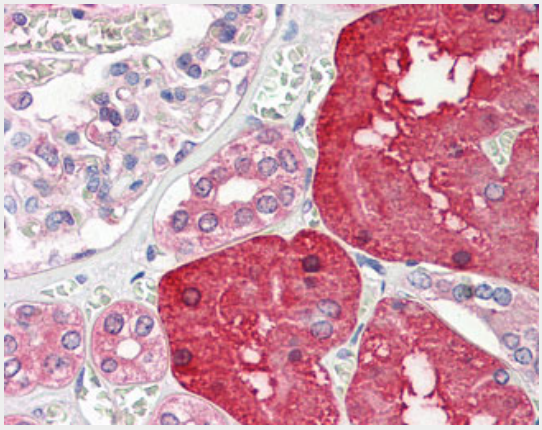
10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

ACY1 / Aminoacylase 1 Antibody - Protocols

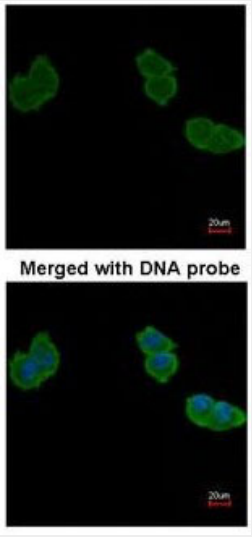
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

ACY1 / Aminoacylase 1 Antibody - Images

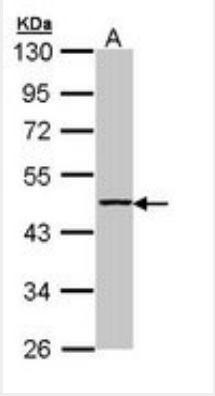


Anti-ACY1 / Aminoacylase 1 antibody IHC staining of human kidney.



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

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999



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).