

ACY1 / Aminoacylase 1 Antibody (clone 4F1-B7)
Mouse Monoclonal Antibody
Catalog # ALS14019**Specification**

ACY1 / Aminoacylase 1 Antibody (clone 4F1-B7) - Product Information

Application	WB, IF, IP, IHC
Primary Accession	Q03154
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	46kDa KDa

ACY1 / Aminoacylase 1 Antibody (clone 4F1-B7) - 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

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

Precautions

ACY1 / Aminoacylase 1 Antibody (clone 4F1-B7) is for research use only and not for use in diagnostic or therapeutic procedures.

ACY1 / Aminoacylase 1 Antibody (clone 4F1-B7) - Protein Information**Name** ACY1**Function**

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

Cellular Location

Cytoplasm.

Tissue Location

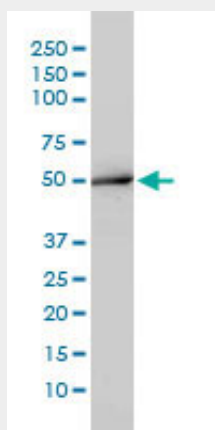
Expression is highest in kidney, strong in brain and weaker in placenta and spleen.

ACY1 / Aminoacylase 1 Antibody (clone 4F1-B7) - Protocols

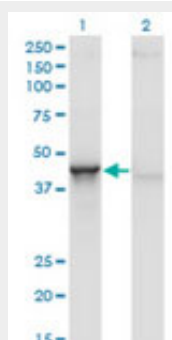
Provided below are standard protocols that you may find useful for product applications.

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

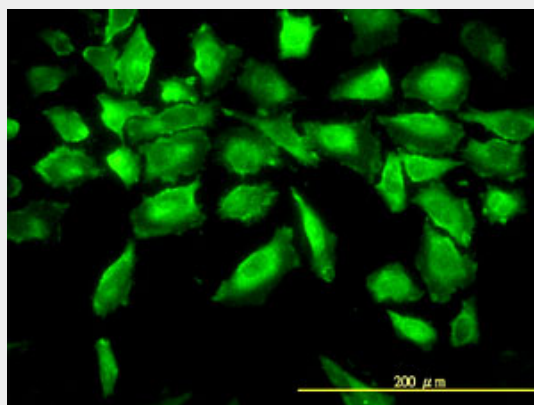
ACY1 / Aminoacylase 1 Antibody (clone 4F1-B7) - Images



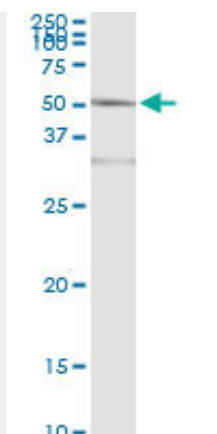
Western blot of ACY1 expression in K-562 by ACY1 monoclonal antibody (M01), clone 4F1-B7.



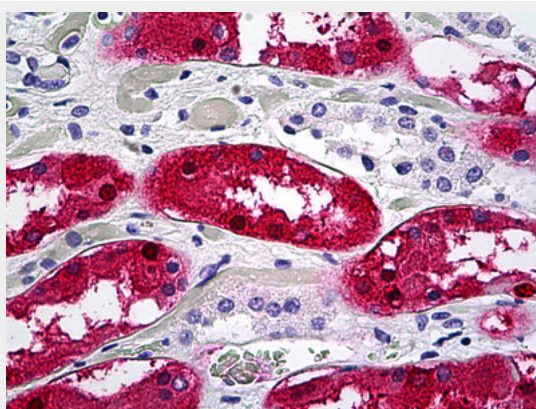
Western blot of ACY1 expression in transfected 293T cell line by ACY1 monoclonal antibody (M01),...



Immunofluorescence of monoclonal antibody to ACY1 on HeLa cell. [antibody concentration 10 ug/ml]



Immunoprecipitation of ACY1 transfected lysate using anti-ACY1 monoclonal antibody and Protein A...



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

ACY1 / Aminoacylase 1 Antibody (clone 4F1-B7) - Background

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

ACY1 / Aminoacylase 1 Antibody (clone 4F1-B7) - 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).