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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.

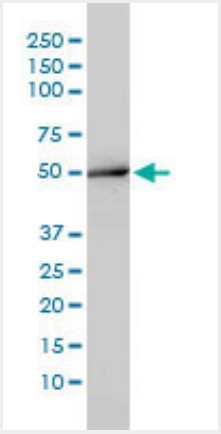
ACY1 / Aminoacylase 1 Antibody (clone 4F1-B7) - Protocols

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

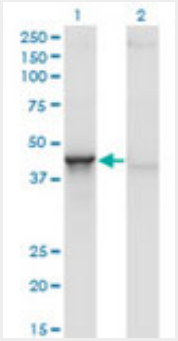
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- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

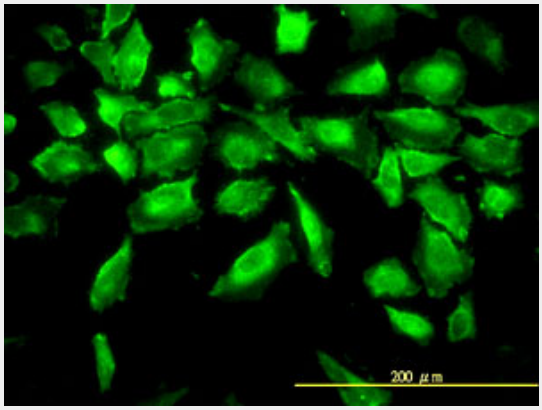
ACY1 / Aminoacylase 1 Antibody (clone 4F1-B7) - Images



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

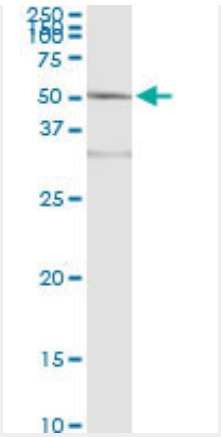


Western blot of ACY1 expression in transfected 293T cell line by ACY1 monoclonal antibody (M01),...

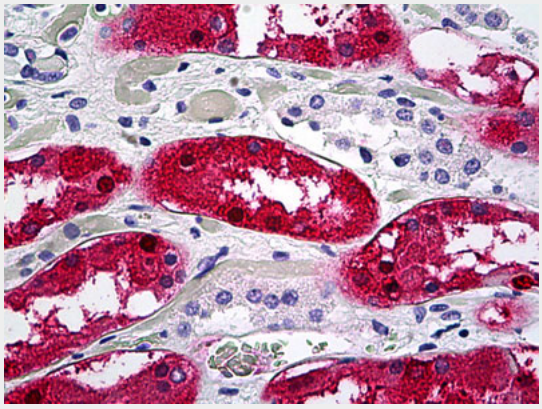


Immunofluorescence of monoclonal antibody to ACY1 on HeLa cell. [antibody concentration 10 ug/ml]

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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).