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ACY1 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant ACY1.
Catalog # AT1037a

Product Information

Application	WB, IHC, IF, IP
Primary Accession	Q03154
Other Accession	BC000545
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 kappa
Clone Names	4F1-B7
Calculated MW	45885

Additional Information

Gene ID	95
Other Names	Aminoacylase-1, ACY-1, N-acyl-L-amino-acid amidohydrolase, ACY1
Target/Specificity	ACY1 (AAH00545, 1 a.a. ~ 408 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IHC~~1:100~500 IF~~1:50~200 IP~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	ACY1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

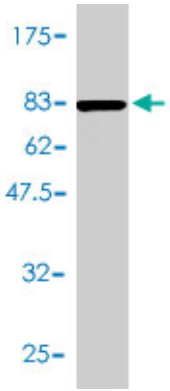
Background

Aminoacylase-1 is a cytosolic, homodimeric, zinc-binding enzyme that catalyzes the hydrolysis of acylated L-amino acids to L-amino acids and acyl group, and has been postulated to function in the catabolism and salvage of acylated amino acids. ACY1 has been assigned to 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 ACY1 is the first member of a new family of zinc-binding enzymes.

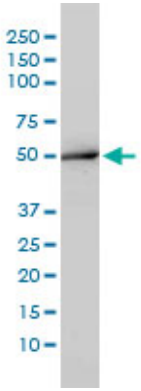
References

1.Profiling of antibody production against xenograft-released proteins by protein microarrays discovers prostate cancer markers.Jansen FH, Rijswijk A, Teubel W, Weerden WM, Reneman S, Bemd GJ, Roobol MJ, Bangma CH, Staal FJ, Jenster G.J Proteome Res. 2011 Dec 2.

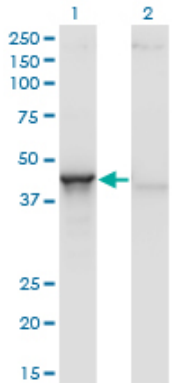
Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (70.62 KDa) .

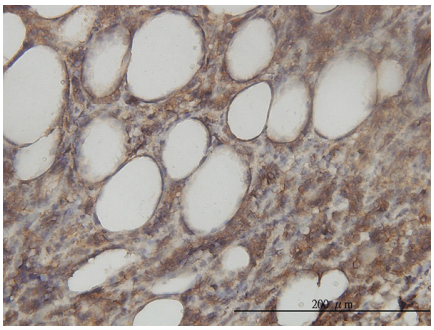


ACY1 monoclonal antibody (M01), clone 4F1-B7. Western Blot analysis of ACY1 expression in K-562 ((Cat # AT1037a)



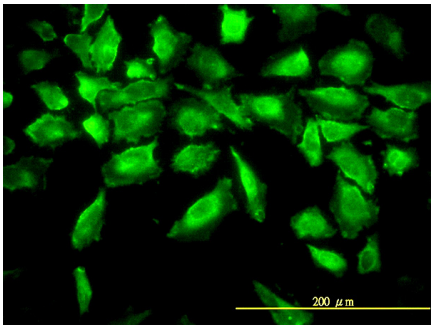
Western Blot analysis of ACY1 expression in transfected 293T cell line by ACY1 monoclonal antibody (M01), clone 4F1-B7.

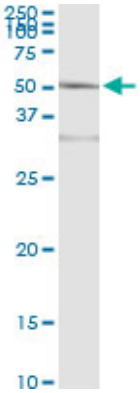
Lane 1: ACY1 transfected lysate(45.9 KDa).
Lane 2: Non-transfected lysate.



Immunoperoxidase of monoclonal antibody to ACY1 on formalin-fixed paraffin-embedded human malignant lymphoma, diffuse large B tissue. [antibody concentration 3 ug/ml]

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 Magnetic Bead (U0007), and immunoblotted with ACY1 MaxPab rabbit polyclonal antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.