Anti-ALDH1L1 Antibody [4A12] (A85315)

Specifications:

Name:	Anti-ALDH1L1 Antibody [4A12]
Description:	Mouse monoclonal [4A12] antibody to ALDH1L1.
Applications:	WB, ICC/IF, IHC
Recommended Dilutions:	WB: 1:5,000-1:10,000, ICC/IF: 1:1,000-1:2,000, IHC: 1:1,000-1:2,000
Reactivity:	Human, Rat, Mouse
Immunogen:	Recombinant construct corresponding to amino acids 1-401 of human ALDH1L1, expressed in and purified from E. coli.
Host:	Mouse
Clonality:	Monoclonal
Clone ID:	4A12
Isotype:	IgG2b
Conjugate:	Unconjugated
Purification:	Immunogen affinity purification.
Concentration:	1 mg/ml
Molecular Weight:	100 kDa
Product Form:	Liquid
Formulation:	Supplied in Phosphate Buffered Saline with 50% Glycerol and 5mM Sodium Azide.
Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Disclaimer:	This product is for research use only. It is not intended for diagnostic or therapeutic use.

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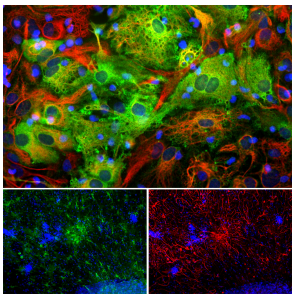
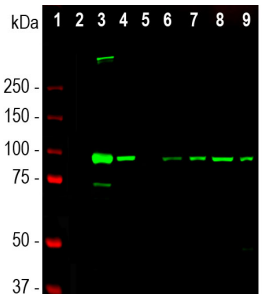
Images:



Immunofluorescent analysis of mixed cortical neuron-glial cell culture from an E20 rat stained with Anti-ALDH1L1 Antibody [4A12] (A85315), dilution 1:1,000, in green, and co-stained with Anti-Vimentin Antibody (A85421), dilution 1:5,000, in red. The blue is DAPI staining of nuclear DNA. Anti-ALDH1L1 Antibody [4A12] produces strong cytoplasmic staining of astrocytic glial cells, while the Anti-Vimentin Antibody labels the intermediate filament cytoskeleton in fibroblasts and other glial cells. Some cells, presumably developing asrocytes, are stained by both ALDH1L1 and vimentin and so appear yellow.



Western blot analysis of rat and mouse tissue lysates using Anti-ALDH1L1 Antibody [4A12] (A85315), dilution 1:5,000, in green. The lanes contain: [1] protein standard (red), rat tissue lysates: [2] heart, [3] liver, [4] kidney, [5] lung, [6] brain, and [7] spinal cord; and mouse tissue lysates: [8] brain, and [9] spinal cord. The band at 100 kDa corresponds to ALDH1L1 protein. In line with published work, ALDH1L1 is a major protein of liver and CNS tissue.