

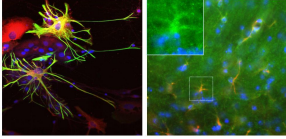
Anti-ALDH1L1 Antibody (A85310)

Specifications:

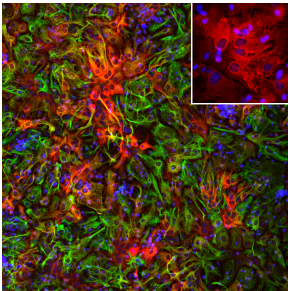
Name:	Anti-ALDH1L1 Antibody
Description:	Rabbit polyclonal antibody to ALDH1L1.
Applications:	WB, ICC/IF
Recommended Dilutions:	WB: 1:2,000-1:5,000, ICC/IF: 1:1,000
Reactivity:	Human, Rat, Mouse
Immunogen:	Recombinant construct corresponding to amino acids 1-400 of human ALDH1L1, expressed in and purified from E. coli.
Host:	Rabbit
Clonality:	Polyclonal
Isotype:	IgG
Conjugate:	Unconjugated
Molecular Weight:	100 kDa
Purity:	Whole antiserum.
Product Form:	Liquid
Formulation:	Supplied as an aliquot of serum with 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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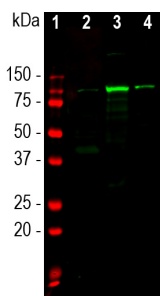
Images:



Left: Mixed neuron-glia cell mixture cultures stained with Anti-Aldehyde Dehydrogenase H1L1 Antibody (red) and Anti-GFAP Antibody (A85422 | green). Anti-Aldehyde Dehydrogenase H1L1 Antibody stains astrocytes and excludes from neuron cells. Anti-Aldehyde Dehydrogenase H1L1 Antibody stains the astrocytes cell body and processes, whereas Anti-GFAP Antibody labels the intermediate filament of the cytoskeleton in subset of astrocytes. Astrocytes that are positive for both ALDH1L1 and GFAP appear yellow. Anti-Aldehyde Dehydrogenase H1L1 Antibody also labels many astrocytes not labelled by GFAP, which appear as red. Right: Mouse brain sections (fixed by transcardial perfusion of 4% paraformaldehyde) stained with Anti-Aldehyde Dehydrogenase H1L1 Antibody (green) and Anti-GFAP Antibody (A85422 | red). Along the corpus callosum (white matter), Anti-Aldehyde Dehydrogenase H1L1 Antibody labels astrocytes that also heavily express GFAP. As a result, astrocytes in this area appear to be gold to yellow. Inset shows a magnified image of Anti-Aldehyde Dehydrogenase H1L1 Antibody staining. Nuclei are labeled with DAPI (blue).



Immunofluorescent analysis of cortical neuron-glia cell culture from E20 rat stained with Anti-Aldehyde Dehydrogenase H1L1 Antibody (A85310), at a dilution of 1:1,000, in red, and co-stained with Anti-GFAP Antibody (A85307), at a dilution of 1:5,000, in green. The blue is DAPI staining of nuclear DNA. The Anti-Aldehyde Dehydrogenase H1L1 Antibody (A85310) labels protein expressed in the cytoplasm of non-neuronal cells. The Anti-GFAP Antibody (A85307) stains intermediate filaments in astrocytes and other glial cells.



Western blot analysis of different tissue lysates using Anti-Aldehyde Dehydrogenase H1L1 Antibody (A85310), at a dilution of 1:5,000, in green. The lanes contain samples of: [1] Protein standards, in red, [2] rat brain, [3] rat liver and [4] rat kidney. The single band at 100 kDa corresponds to the ALDH1L1 protein.

Anti-ALDH1L1 Antibody (A85310)

Images continued:



Blot of rat liver tissue homogenates blotted with Anti-Aldehyde Dehydrogenase H1L1 Antibody. Anti-Aldehyde Dehydrogenase H1L1 Antibody binding produces a strong band at ~100 kDa.