ALDH1L1 polyclonal antibody

The anti-ALDH1L1 antibody enables specific detection of ALDH1L1, a key astrocyte marker and enzyme involved in folate metabolism and detoxification, optimized for IHC applications in neurobiology and metabolic research.

ALDH1L1 is an enzyme in the aldehyde dehydrogenase superfamily that plays a critical role in folate metabolism by catalyzing the oxidation of 10-formyltetrahydrofolate to carbon dioxide and tetrahydrofolate. It is highly expressed in astrocytes, making it a reliable and specific marker for studying astrocytic populations in the central nervous system. ALDH1L1 is also involved in cellular detoxification processes, protecting cells from oxidative damage by metabolizing aldehydes generated during lipid peroxidation and other oxidative stress pathways.

This antibody is covered by our Worry-Free Guarantee.

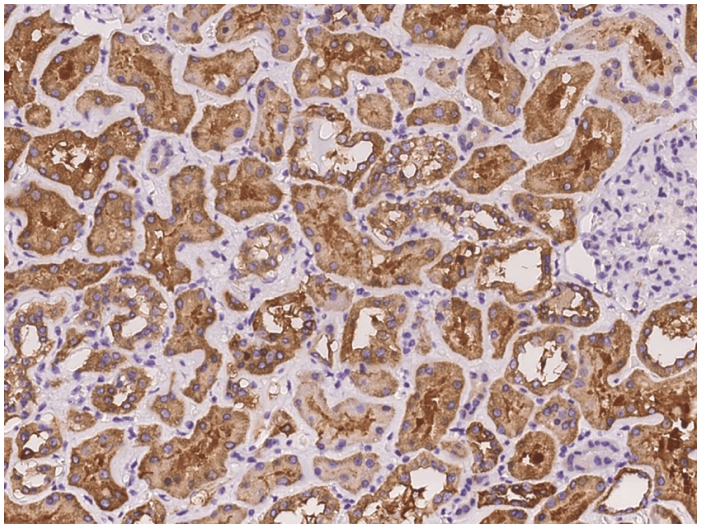
Ordering Information

Order Online »

ENZ-ABS1055-0100	100µl

Manuals, SDS & CofA

View Online »



Immunohistochemical staining of human ALDH1L1 in human kidney with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.

Handling & Storage

Handling	Avoid freeze-thaw cycles.
Long Term Storage	-20°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	Aldehyde dehydrogenase 1 family member L1, Cytosolic 10-formyltetrahydrofolate dehydrogenase
Application	IHC (PS)
Formulation	Liquid. 0.2 µm filtered solution in PBS. Carrier-free. Preservative-free.
Host	Rabbit
Immunogen	E. coli-derived human ALDH1L1 fragment.
Isotype	IgG
Purity Detail	Protein A and antigen affinity purified.
Recommendation Dilutions/Conditions	Immunohistochemistry (paraffin sections) (1:50-1:200) Suggested dilutions/conditions may not be available for all applications. Optimal conditions must be determined individually for each application.
Species Reactivity	Human
Worry-free Guarantee	**This antibody is covered by our Worry-Free Guarantee .**

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