

ALDH8A1 Polyclonal Antibody

Catalog No. E-AB-14538

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

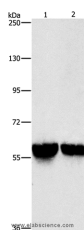
Reactivity	Human, Mouse
Immunogen	Recombinant protein of human ALDH8A1
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Conjugation	Unconjugated
Buffer	PBS with 0.05% sodium azide and 50% glycerol, PH7.4

Applications

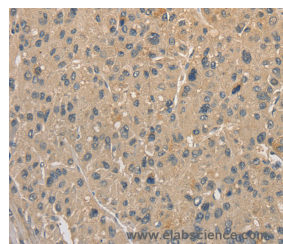
Recommended Dilution

WB	1:1000-1:5000
IHC	1:50-1:200

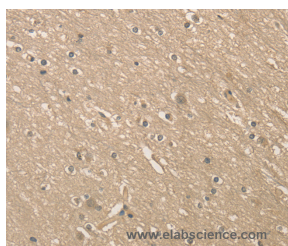
Data



Western Blot analysis of Mouse liver and kidney tissue using ALDH8A1 Polyclonal Antibody at dilution of 1:800
Calculated Mw:53kDa



Immunohistochemistry of paraffin-embedded Human liver cancer using ALDH8A1 Polyclonal Antibody at dilution of 1:40



Immunohistochemistry of paraffin-embedded Human brain using ALDH8A1 Polyclonal Antibody at dilution of 1:40

Preparation & Storage

Storage Store at -20°C. Avoid freeze / thaw cycles.

For Research Use Only

Background

This protein belongs to the aldehyde dehydrogenases family of proteins. It plays a role in a pathway of 9-cis-retinoic acid biosynthesis in vivo. This enzyme converts 9-cis-retinal into the retinoid X receptor ligand 9-cis-retinoic acid, and has approximately 40-fold higher activity with 9-cis-retinal than with all-trans-retinal. Therefore, it is the first known aldehyde dehydrogenase to show a preference for 9-cis-retinal relative to all-trans-retinal. Three transcript variants encoding distinct protein isoforms have been identified for this gene.

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