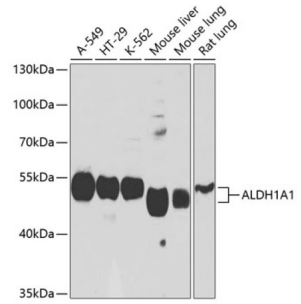
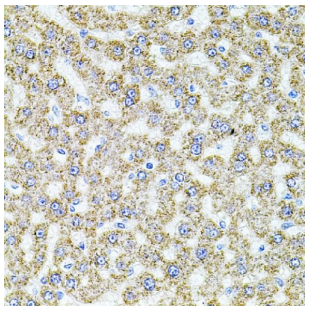
Retinal Dehydrogenase 1 (ALDH1A1) Antibody

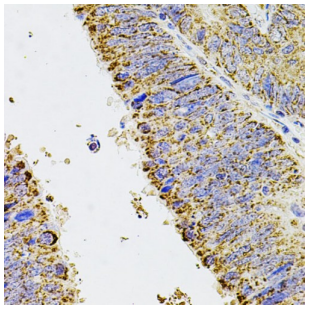
Catalogue No.:abx001492



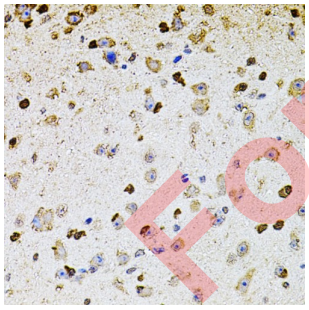
Western blot analysis of extracts of various cell lines using ALDH1A1 Antibody (1/1000 dilution).



Immunohistochemistry of paraffin-embedded Rat liver using ALDH1A1 Antibody (1/100 dilution, 40x lens).



Immunohistochemistry of paraffin-embedded Human colon carcinoma using ALDH1A1 Antibody (1/100 dilution, 40x lens).



Immunohistochemistry of paraffin-embedded Mouse brain using ALDH1A1 Antibody (1/100 dilution, 40x lens).

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ALDH1A1 Antibody is a Rabbit Polyclonal antibody against ALDH1A1. The protein encoded by this gene belongs to the aldehyde dehydrogenase family. Aldehyde dehydrogenase is the next enzyme after alcohol dehydrogenase in the major pathway of alcohol metabolism. There are two major aldehyde dehydrogenase isozymes in the liver, cytosolic and mitochondrial, which are encoded by distinct genes, and can be distinguished by their electrophoretic mobility, kinetic properties, and subcellular localization. This gene encodes the cytosolic isozyme. Studies in mice show that through its role in retinol metabolism, this gene may also be involved in the regulation of the metabolic responses to high-fat diet.

Target: Retinal Dehydrogenase 1 (ALDH1A1)

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Clonality:	Polyclonal
Reactivity:	Human, Mouse, Rat
Tested Applications:	WB, IHC
Host:	Rabbit
Recommended dilutions:	WB: 1/500 - 1/2000, IHC-P: 1/50 - 1/200. Not tested in IHC-F. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Recombinant fusion protein corresponding to human ALDH1A1
Isotype:	IgG
Form:	Liquid
Purification:	Purified by affinity chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P00352 (UniProt, ExPASy)
Gene Symbol:	ALDH1A1
GeneID:	216
NCBI Accession:	NP_000680.2
KEGG:	hsa:216
String:	9606.ENSP00000297785
Molecular Weight:	Calculated MW: 54 kDa Observed MW: 50-55 kDa
Buffer:	PBS, pH 7.3, containing 0.02% sodium azide, 50% glycerol.
Concentration:	1 mg/ml
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

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