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anti-ALDH2 antibody

Images



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Quantity:	400 μL
Target:	ALDH2
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ALDH2 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This ALDH2 antibody is generated from rabbits immunized with human ALDH2 recombinant protein.
Isotype:	lg Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	ALDH2
Alternative Name:	ALDH2 (ALDH2 Products)
Background:	ALDH2 belongs to the aldehyde dehydrogenase family of proteins. Aldehyde dehydrogenase is the second enzyme of the major oxidative pathway of alcohol metabolism. Two major liver
	isoforms of this enzyme, cytosolic and mitochondrial, can be distinguished by their

Target Details

electrophoretic mobilities, kinetic properties, and subcellular localizations. Most Caucasians		
have two major isozymes, while approximately 50 % of Asians have only the cytosolic isozyme,		
missing the mitochondrial isozyme. A remarkably higher frequency of acute alcohol intoxication		
among Asians than among Caucasians could be related to the absence of the mitochondrial		
isozyme.		

Molecular Weight: 56 kDa

Gene ID: 217

UniProt: P05091

Application Details

Application Notes: For WB starting dilution is: 1:1000

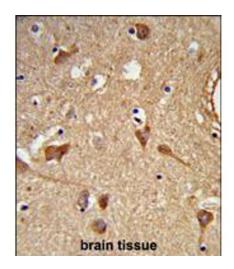
For IHC-P starting dilution is: 1:50~100

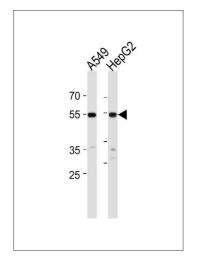
For FACS starting dilution is: 1:10~50

Restrictions: For Research Use only

Handling

Format:	Liquid
Concentration:	0.38 mg/mL
Buffer:	Supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.





Immunohistochemistry

Image 1. Formalin-fixed and paraffin-embedded human brain tissue reacted with ALDH2 Antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining.

Flow Cytometry

Image 2. Flow cytometry analysis of MDA-MB231 cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Western Blotting

Image 3. Western blot analysis in A549,HepG2 cell line lysates (35ug/lane).