

小鼠抗 ALDH2 单克隆抗体

中文名称： 小鼠抗 ALDH2 单克隆抗体

英文名称： Anti-ALDH2 mouse monoclonal antibody

别名： aldehyde dehydrogenase 2 family (mitochondrial); ALDM; ALDHI; ALDH-E2

相关类别： 一抗

储存： 冷冻 (-20℃)

宿主： Mouse

抗原： ALDH2

反应种属： Human, Mouse, Rat, Monkey, Hamster

标记物： Unconjugate

克隆类型： Mouse Monoclonal

技术规格

Background:

This protein 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 aldehyde dehydrogenase, cytosolic and mitochondrial, can be distinguished by their electrophoretic mobilities, kinetic properties, and subcellular localizations. Most Caucasians have two major isozymes, while approximately 50% of East Asians have the cytosolic isozyme but not the mitochondrial isozyme. A remarkably higher frequency of acute alcohol intoxication among East Asians than among Caucasians could be related to the absence of a catalytically active form of the mitochondrial isozyme. The increased exposure to acetaldehyde in individuals with the catalytically inactive form may also

	confer greater susceptibility to many types of cancer. This gene encodes a mitochondrial isoform, which has a low Km for acetaldehydes, and is localized in mitochondrial matrix. Alternative splicing results in multiple transcript variants encoding distinct isoforms.
Applications:	WB
Name of antibody:	ALDH2
Immunogen:	Fusion protein of human ALDH2
Full name:	aldehyde dehydrogenase 2 family (mitochondrial)
Synonyms:	ALDM; ALDH1; ALDH-E2
SwissProt:	P05091
WB Predicted band size:	56 kDa
WB Positive control:	A549, CHO-K1, COS7, C6, 3T3 and Hela cell lysates
WB Recommended dilution:	1000-5000

