

产品名称: ALDH2 Mouse Monoclonal Antibody
产品货号: AMM85960



产品概述 (Summary)

产品名称 (Production Name)	ALDH2 Mouse Monoclonal Antibody
描述 (Description)	Mouse monoclonal Antibody
宿主 (Host)	Mouse
应用 (Application)	WB,IHC,ICC,FC
种属反应性 (Reactivity)	Human, Mouse, Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	Mouse IgG1
克隆 (Clonality)	Monoclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Purified antibody in TBS with 0.05% sodium azide.
纯化方式 (Purification)	Affinity Purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	ALDH2
别名 (Alternative Names)	Aldehyde dehydrogenase, mitochondrial, ALDH class 2, ALDH-E2, ALDH1, ALDH2, ALDM
基因 ID (Gene ID)	217.0
蛋白 ID (SwissProt ID)	P05091.This ALDH2 Monoclonal antibody is generated from mouse immunized with ALDH2 recombinant protein.

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:500,ICC 1:20-1:50,FC 1:20-1:50
蛋白分子量 (Molecular Weight)	56.4kDa

研究背景 (Background)

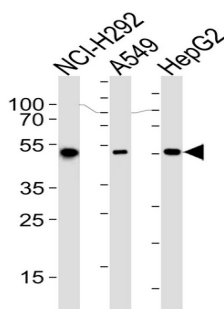
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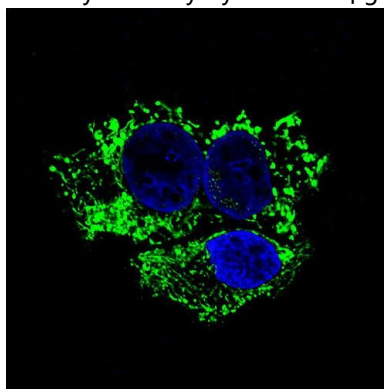
This protein belongs to the aldehyde dehydrogenase family of proteins. Aldehyde dehydrogenase is the second enzyme of the major oxidative pathway of alcohol metabolism. Two major liver isoforms of this enzyme, cytosolic and mitochondrial, can be distinguished by their electrophoretic mobilities, kinetic properties, and subcellular localizations. Most Caucasians have two major isozymes, while approximately 50% of Orientals have only the cytosolic isozyme, missing the mitochondrial isozyme. A remarkably higher frequency of acute alcohol intoxication among Orientals than among Caucasians could be related to the absence of the mitochondrial isozyme. This gene encodes a mitochondrial isoform, which has a low K_m for acetaldehydes, and is localized in mitochondrial matrix.

研究领域 (Research Area)

图片 (Image Data)

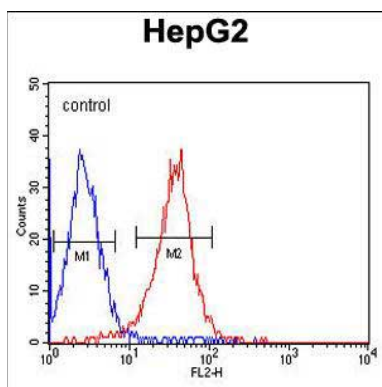


Western blot analysis of lysates from NCI-H292, A549, HepG2 cell line (from left to right), using ALDH2 Antibody(Cat. #AMM85960). AMM85960 was diluted at 1:1000 at each lane. A goat anti-mouse IgG H&L(HRP) at 1:3000 dilution was used as the secondary antibody. Lysates at 35 μ g per lane.

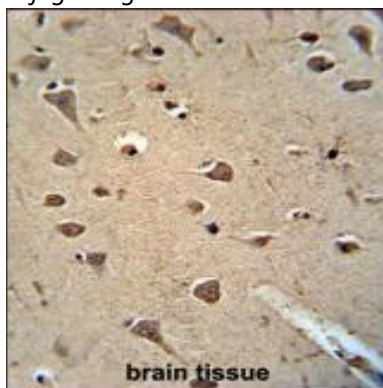


Confocal immunofluorescent analysis of ALDH2 Antibody(Cat. #AMM85960)with HepG2 cell followed by Alexa Fluor® 488-conjugated goat anti-mouse IgG (green). DAPI was used to stain the cell nuclear (blue).

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ALDH2 Monoclonal Antibody (Cat. #AMM85960) flow cytometric analysis of HepG2 cells (right histogram) compared to a negative control cell (left histogram). PE-conjugated goat-anti-mouse secondary antibodies were used for the analysis.



ALDH2 Monoclonal Antibody (Cat. #AMM85960) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the ALDH2 Monoclonal Antibody for immunohistochemistry. Clinical relevance has not been evaluated.

注意事项 (Note)

For research use only .