

产品名称: ALDH6A1 Mouse Monoclonal Antibody
产品货号: AMM85976



产品概述 (Summary)

产品名称 (Production Name)	ALDH6A1 Mouse Monoclonal Antibody
描述 (Description)	Mouse monoclonal Antibody
宿主 (Host)	Mouse
应用 (Application)	WB,IHC,ICC
种属反应性 (Reactivity)	Human, Mouse

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)	ALDH6A1
别名 (Alternative Names)	Methylmalonate-semialdehyde dehydrogenase [acylating], mitochondrial, MMSDH, Malonate-semialdehyde dehydrogenase [acylating], Aldehyde dehydrogenase family 6 member A1, ALDH6A1, MMSDH
基因 ID (Gene ID)	57840.0
蛋白 ID (SwissProt ID)	Q02252.This ALDH6A1 antibody is generated from mouse immunized with ALDH6A1 recombinant protein.

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:500,ICC 1:25-1:50
蛋白分子量 (Molecular Weight)	57.8kDa

产品名称: ALDH6A1 Mouse Monoclonal Antibody
产品货号: AMM85976

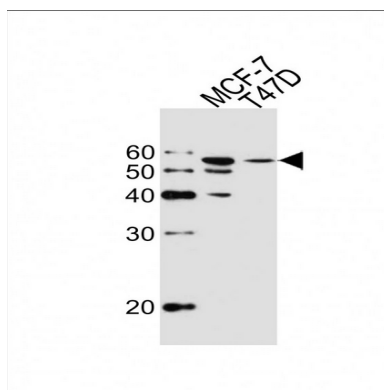


研究背景 (Background)

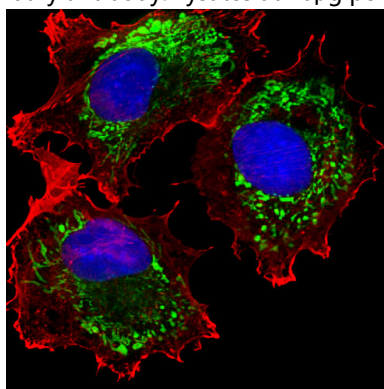
This protein belongs to the aldehyde dehydrogenases family of proteins. This enzyme plays a role in the valine and pyrimidine catabolic pathways. The product of this gene, a mitochondrial methylmalonate semialdehyde dehydrogenase, catalyzes the irreversible oxidative decarboxylation of malonate and methylmalonate semialdehydes to acetyl- and propionyl-CoA. Methylmalonate semialdehyde dehydrogenase deficiency is characterized by elevated beta-alanine, 3-hydroxypropionic acid, and both isomers of 3-amino and 3-hydroxyisobutyric acids in urine organic acids.

研究领域 (Research Area)

图片 (Image Data)

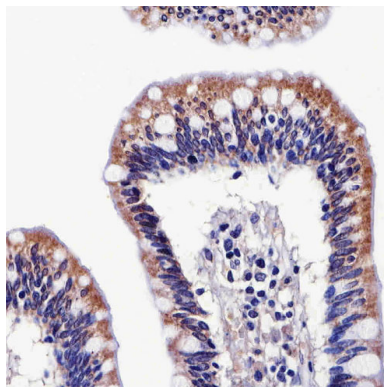


Western blot analysis of lysates from MCF-7, T47D cell line (from left to right), using ALDH6A1 Antibody (Cat. #AMM85976). AMM85976 was diluted at 1:1000 at each lane. A goat anti-mouse IgG H&L (HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 20 µg per lane.

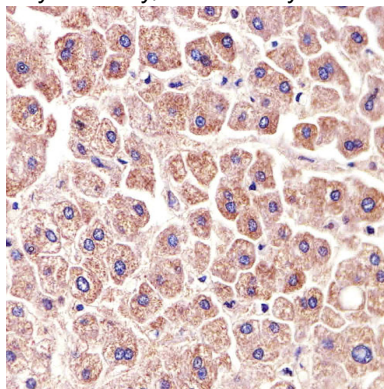


Fluorescent image of MCF-7 cells stained with ALDH6A1 Antibody (Cat#AMM85976). AMM85976 was diluted at 1:25 dilution. An Alexa Fluor® 488-conjugated goat anti-mouse IgG at 1:400 dilution was used as the secondary antibody (green). DAPI was used to stain the cell nuclear (blue). Cytoplasmic actin was counterstained with Alexa Fluor® 555 conjugated with Phalloidin (red).

产品名称: ALDH6A1 Mouse Monoclonal Antibody
产品货号: AMM85976



Immunohistochemical analysis of paraffin-embedded H.colon section using ALDH6A1 Antibody(Cat#AMM85976). AMM85976 was diluted at 1:25 dilution. A peroxidase-conjugated goat anti-mouse IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.



Immunohistochemical analysis of paraffin-embedded H.liver section using ALDH6A1 Antibody(Cat#AMM85976). AMM85976 was diluted at 1:25 dilution. A peroxidase-conjugated goat anti-mouse IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.

注意事项 (Note)

For research use only .