

产品名称: ALDH3A1 Rabbit Polyclonal Antibody
产品货号: APRab06764



产品概述 (Summary)

产品名称 (Production Name)	ALDH3A1 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,ELISA
种属反应性 (Reactivity)	Human,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
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)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	ALDH3A1
别名 (Alternative Names)	ALDH3A1; ALDH3; Aldehyde dehydrogenase, dimeric NADP-preferring; ALDHIII; Aldehyde dehydrogenase 3; Aldehyde dehydrogenase family 3 member A1
基因 ID (Gene ID)	218.0
蛋白 ID (SwissProt ID)	P30838.The antiserum was produced against synthesized peptide derived from human ALDH3A1. AA range:236-285

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,ELISA 1:10000-1:20000
蛋白分子量 (Molecular Weight)	50kDa

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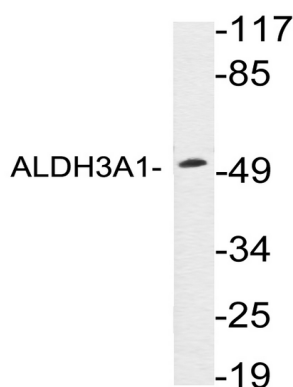
研究背景 (Background)

Aldehyde dehydrogenases oxidize various aldehydes to the corresponding acids. They are involved in the detoxification of alcohol-derived acetaldehyde and in the metabolism of corticosteroids, biogenic amines, neurotransmitters, and lipid peroxidation. The enzyme encoded by this gene forms a cytoplasmic homodimer that preferentially oxidizes aromatic and medium-chain (6 carbons or more) saturated and unsaturated aldehyde substrates. It is thought to promote resistance to UV and 4-hydroxy-2-nonenal-induced oxidative damage in the cornea. The gene is located within the Smith-Magenis syndrome region on chromosome 17. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq, Sep 2008], catalytic activity: An aldehyde + NAD(P)(+) + H₂O = an acid + NAD(P)H, function: ALDHs play a major role in the detoxification of alcohol-derived acetaldehyde. They are involved in the metabolism of corticosteroids, biogenic amines, neurotransmitters, and lipid peroxidation. This protein preferentially oxidizes aromatic aldehyde substrates. It may play a role in the oxidation of toxic aldehydes., similarity: Belongs to the aldehyde dehydrogenase family., subunit: Homodimer., tissue specificity: High levels in stomach, esophagus and lung; low level in the liver and kidney.,

研究领域 (Research Area)

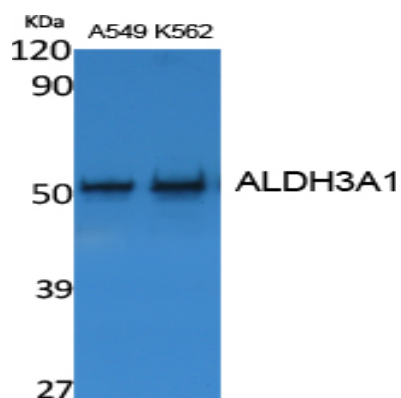
Glycolysis / Gluconeogenesis; Histidine metabolism; Tyrosine metabolism; Phenylalanine metabolism; Metabolism of xenobiotics by cytochrome P450; Drug metabolism;

图片 (Image Data)



Western blot analysis of lysates from A549 cells, using ALDH3A1 antibody.

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Western Blot analysis of extracts from A549, K562 cells, using ALDH3A1 Polyclonal Antibody.. Secondary antibody was diluted at 1:20000

注意事项 (Note)

For research use only .