

Anti-ALDH7A1 antibody

Cat. No.	ml163522
Package	25 µl/100 µl/200 µl
Storage	-20°C, pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol

Product overview

Description	Anti-ALDH7A1 rabbit polyclonal antibody
Applications	ELISA, WB, IHC
Immunogen	Synthetic peptide of human ALDH7A1
Reactivity	Human, Mouse, Rat
Content	0.9 mg/ml
Host species	Rabbit
Ig class	Immunogen-specific rabbit IgG
Purification	Antigen affinity purification

Target information

Symbol	ALDH7A1
Full name	aldehyde dehydrogenase 7 family member A1
Synonyms	EPD; PDE; ATQ1
Swissprot	P49419

Target Background

The protein encoded by this gene is a member of subfamily 7 in the aldehyde dehydrogenase gene family. These enzymes are thought to play a major role in the detoxification of aldehydes generated by alcohol metabolism and lipid peroxidation. This particular member has homology to a previously described protein from the green garden pea, the 26g pea turgor protein. It is also involved in lysine catabolism that is known to occur in the mitochondrial matrix. Recent reports show that this protein is found both in the cytosol and the mitochondria, and the two forms likely arise from the use of alternative translation initiation sites. An additional variant encoding a different isoform has also been found for this gene. Mutations in this gene are associated with pyridoxine-dependent epilepsy. Several related pseudogenes have also been identified.

订购热线: 4008-898-798

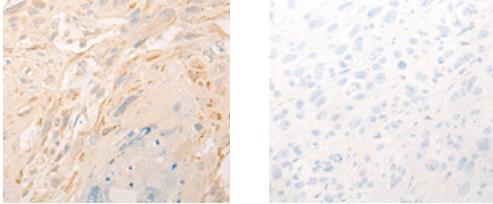
Applications

Immunohistochemistry

Predicted cell location: Cytoplasm

Positive control: Human esophagus cancer

Recommended dilution: 20-100



The image on the left is immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using ml163522(ALDH7A1 Antibody) at dilution 1/25, on the right is treated with synthetic peptide. (Original magnification: $\times 200$)

Western blotting

Predicted band size: 59 kDa

Positive control: Human fetal liver tissue and Human liver tissue, HeLa, HepG2 and A172 cell, Rat liver tissue lysates

Recommended dilution: 200-1000

Gel: 8%SDS-PAGE

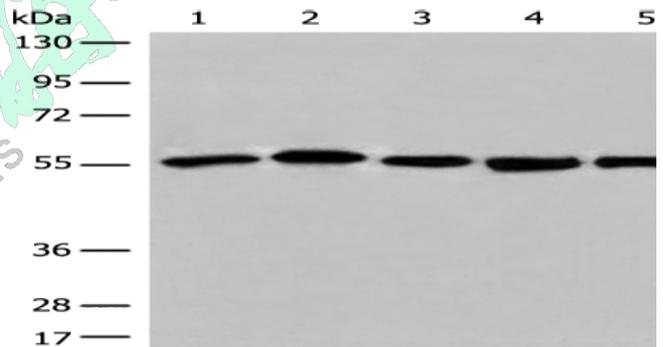
Lysate: 40 μ g

Lane 1-6: Human fetal liver tissue and Human liver tissue, HeLa, HepG2 and A172 cell, Rat liver tissue lysates

Primary antibody: ml163522(ALDH7A1 Antibody) at dilution 1/400

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 5 seconds



ELISA

Recommended dilution: 5000-10000

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