ALDH7A1 Antibody

Catalog No: #46927

Orders: order@signalwayantibody.com
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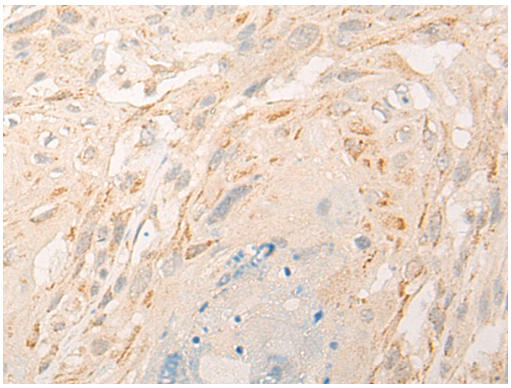
Description

Product Name	ALDH7A1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification
Applications	WB, IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total ALDH7A1 protein.
Immunogen Type	peptide
Immunogen Description	Synthetic peptide of human ALDH7A1
Target Name	ALDH7A1
Other Names	EPD; PDE; ATQ1
Accession No.	Swiss-Prot#:P49419 NCBI Gene ID:501Gene Accssion:NP_001173
Uniprot	P49419
GeneID	501;
Calculated MW	59 kDa
Concentration	0.9mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Storage	Store at -20C

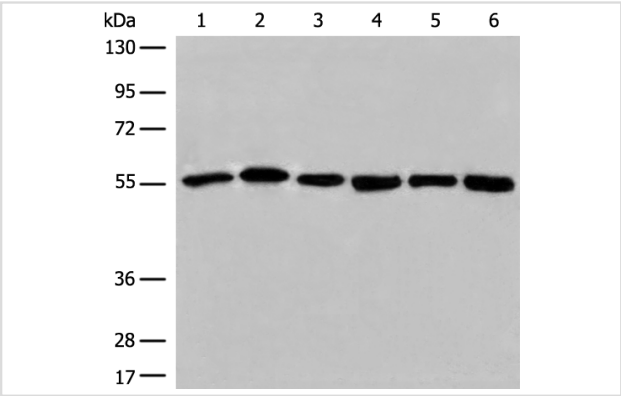
Application Details

Western blotting:1:200-1000Immunofluorescence:1: 20-100

Images



The image is immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using 46927(ALDH7A1 Antibody) at dilution 1/25. (Original magnification: ?00)



Gel: 8%SDS-PAGE
Lysate: 40 µg, Lane 1-6: Human fetal liver tissue and Human liver tissue, Hela, HepG2 and A172 cell, Rat liver tissue lysates
Primary antibody:ALDH7A1 Antibody at dilution 1/400
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution
Exposure time: 5 seconds

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.

Note: This product is for in vitro research use only