

## ALDH7A1 Antibody

Catalog No: #46308

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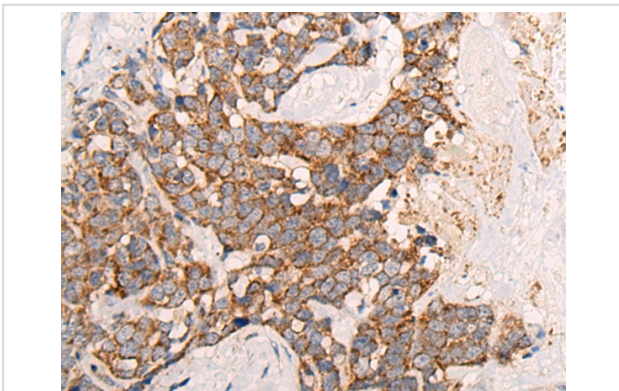
## Description

Product Name	ALDH7A1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification
Applications	IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total ALDH7A1 protein.
Immunogen Type	peptide
Immunogen Description	Synthetic peptide corresponding to residues near the N terminal of human ALDH7A1
Target Name	ALDH7A1
Other Names	EPD; PDE; ATQ1
Accession No.	Swiss-Prot:P49419NCBI Gene ID:501NCBI Protein:NP_001173
Uniprot	P49419
GeneID	501;
Concentration	0.8mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol.
Storage	Store at -20°C

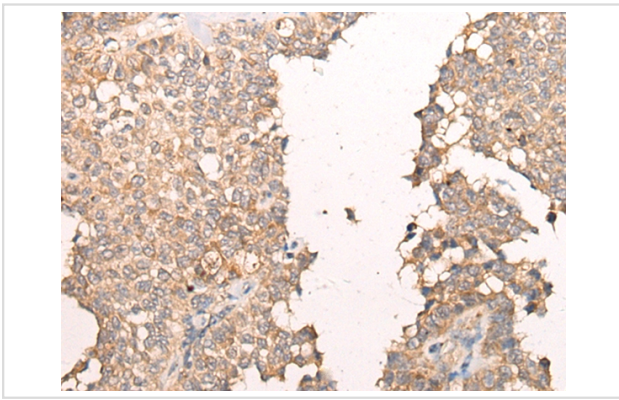
## Application Details

Immunohistochemistry: 1: 25-100

## Images



The image on the left is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using 46308(ALDH7A1 Antibody) at dilution 1/30, on the right is treated with synthetic peptide. (Original magnification: x200)



The image on the left is immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using 46308(ALDH7A1 Antibody) at dilution 1/30, on the right is treated with synthetic peptide. (Original magnification: x200)

## 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