

ALDH7A1 Recombinant antibody

Cat: B35010D

Company: HaoKebio

Uniprot ID: P49419

Applications: IHC:1:200-1:2000

Organism: Rabbit

IHC-Polymer:1:800-1:8000

Species reactivity: Human Mouse Rat

IHC-TSA:1:1000-1:10000

Molecular Weight Calculation: 59 kDa

IF:1:150-1:100

Observed Molecular Weight: 59 kDa

WB:1:2000-1:20000

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.

Protein full name:

Aldehyde Dehydrogenase 7 Family Member A1

Synonyms:

EPD; PDE; ATQ1

Immunogen:

Recombinant protein

Isotype:

IgG

Subcellular location:

Cytoplasm, Nucleus

Purity:

Affinity purification

Form:

Liquid

Storage Buffer:

PBS with 0.02% sodium azide, 100 µg/ml BSA and 50% glycerol.

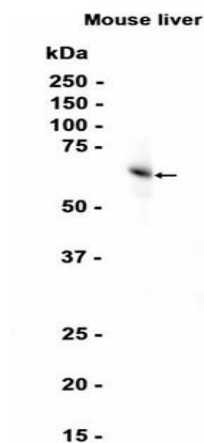
Storage:

Store at -20 °C for one year.

Experimental procedure:

Antigen retrieval: Citrate buffer (pH 9.0), Medium high heat for 8 minutes, stop for 7 minutes, medium high heat for 8 minutes. Incubate antibody, 4°C overnight. Secondary antibody: Poly-HRP Goat Anti-Rabbit & Mouse Universal Secondary Antibody, RT, 1h.

Images:



Dilution of 1:10000 incubated at room temperature for 1.5 hours.

Source of Reagents:

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