

Datasheet for ABIN659006
anti-ALDH6A1 antibody



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4 Images

Overview

| | |
|--------------|---|
| Quantity: | 400 µL |
| Target: | ALDH6A1 |
| Reactivity: | Human |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Conjugate: | This ALDH6A1 antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

Product Details

| | |
|---------------|---|
| Immunogen: | This ALDH6A1 antibody is generated from mouse immunized with ALDH6A1 recombinant protein. |
| Clone: | 147CT8-3-4 |
| Isotype: | IgG1, Ig kappa |
| Purification: | This antibody is purified through a protein G column, followed by dialysis against PBS. |

Target Details

| | |
|-------------------|---|
| Target: | ALDH6A1 |
| Alternative Name: | ALDH6A1 (ALDH6A1 Products) |
| Background: | This protein belongs to the aldehyde dehydrogenases family of proteins. This enzyme plays a role in the valine and pyrimidine catabolic pathways. The product of this gene, a mitochondrial |

Target Details

methylmalonate semialdehyde dehydrogenase, catalyzes the irreversible oxidative decarboxylation of malonate and methylmalonate semialdehydes to acetyl- and propionyl-CoA. Methylmalonate semialdehyde dehydrogenase deficiency is characterized by elevated beta-alanine, 3-hydroxypropionic acid, and both isomers of 3-amino and 3-hydroxyisobutyric acids in urine organic acids.

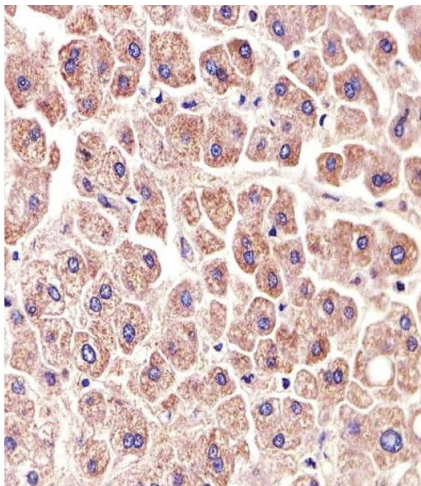
| | |
|-------------------|--|
| Molecular Weight: | 57840 |
| Gene ID: | 4329 |
| NCBI Accession: | NP_005580 |
| UniProt: | Q02252 |
| Pathways: | Brown Fat Cell Differentiation |

Application Details

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|--------------------|--|
| Application Notes: | IF: 1:25. WB: 1:1000. IHC-P: 1:25. IHC-P: 1:25 |
| Restrictions: | For Research Use only |

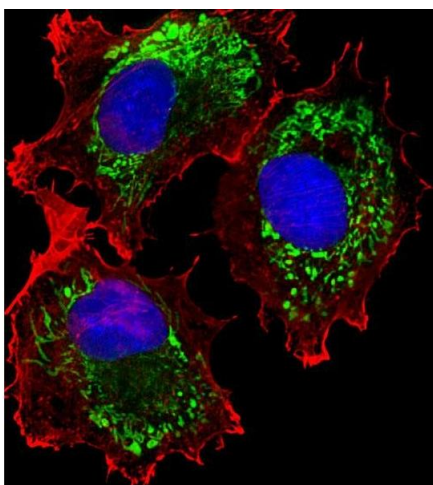
Handling

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|--------------------|--|
| Format: | Liquid |
| Buffer: | Purified monoclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | 4 °C,-20 °C |
| Storage Comment: | Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles. |
| Expiry Date: | 6 months |



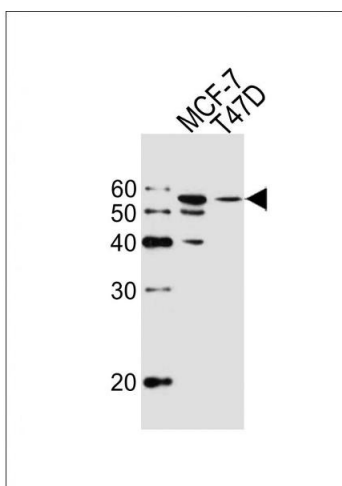
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemical analysis of paraffin-embedded H.liver section using ALDH6A1 Antibody (ABIN659006 and ABIN2838041). (ABIN659006 and ABIN2838041) was diluted at 1:25 dilution. A peroxidase-conjugated goat anti-mouse IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.



Immunofluorescence

Image 2. Fluorescent image of MCF-7 cells stained with ALDH6A1 Antibody (ABIN659006 and ABIN2838041). (ABIN659006 and ABIN2838041) was diluted at 1:25 dilution. An Alexa Fluor® 488-conjugated goat anti-mouse IgG at 1:400 dilution was used as the secondary antibody (green). DAPI was used to stain the cell nuclear (blue). Cytoplasmic actin was counterstained with Alexa Fluor® 555 conjugated with Phalloidin (red).



Western Blotting

Image 3. Western blot analysis of lysates from MCF-7, T47D cell line (from left to right), using ALDH6A1 Antibody (ABIN659006 and ABIN2838041). (ABIN659006 and ABIN2838041) was diluted at 1:1000 at each lane. A goat anti-mouse IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 20 µg per lane.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN659006.