Datasheet for ABIN6139641

# anti-DLD antibody (AA 36-300)

4 Images | 1 Publication

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## Overview

| | |
|---|---|
| Quantity: | 100 µL |
| Target: | DLD |
| Binding Specificity: | AA 36-300 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This DLD antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF) |

## Product Details

| | |
|---|---|
| Immunogen: | Recombinant fusion protein containing a sequence corresponding to amino acids 36-300 of human DLDH/DLDH/DLDH/DLD (NP_000099.2). |
| Sequence: | ADQPIDADVT VIGSGPGGYV AAIKAAQLGF KTVCIEKNET LGGTCLNVGC IPSKALLNNS HYYHMAHGKD FASRGIEMSE VRLNLDKMME QKSTAVKALT GGIAHLFKQN KVVHVNGYGK ITGKNQVTAT KADGGTQVID TKNILIATGS EVTPFPGITI DEDTIVSSTG ALSLKKVPEK MVVIGAGVIG VELGSVWQRL GADVTAVEFL GHVGGVGIDM EISKNFQRIL QKQGFKFKLN TKVTGATKKS DGKIDVSIEA ASGGK |
| Isotype: | IgG |
| Cross-Reactivity: | Human, Mouse |
| Characteristics: | Polyclonal Antibodies |
| Purification: | Affinity purification |

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## Target Details

| | |
|---|---|
| Target: | DLD |
| Alternative Name: | DLD (DLD Products) |
| Background: | This gene encodes a member of the class-I pyridine nucleotide-disulfide oxidoreductase family. The encoded protein has been identified as a moonlighting protein based on its ability to perform mechanistically distinct functions. In homodimeric form, the encoded protein functions as a dehydrogenase and is found in several multi-enzyme complexes that regulate energy metabolism. However, as a monomer, this protein can function as a protease. Mutations in this gene have been identified in patients with E3-deficient maple syrup urine disease and lipoamide dehydrogenase deficiency. Alternative splicing results in multiple transcript variants.,DLD,DLDD,DLDH,E3,GCSL,LAD,PHE3,Cancer,Signal Transduction,Endocrine & Metabolism,Amino acid metabolism,Carbohydrate metabolism,DLD |
| Molecular Weight: | 43 kDa/49 kDa/54 kDa |
| Gene ID: | 1738 |
| UniProt: | P09622 |
| Pathways: | Ribonucleoside Biosynthetic Process, Cell RedoxHomeostasis |

## Application Details

| | |
|---|---|
| Application Notes: | WB,1:500 - 1:2000,IHC,1:50 - 1:200,IF,1:50 - 1:200 |
| Restrictions: | For Research Use only |

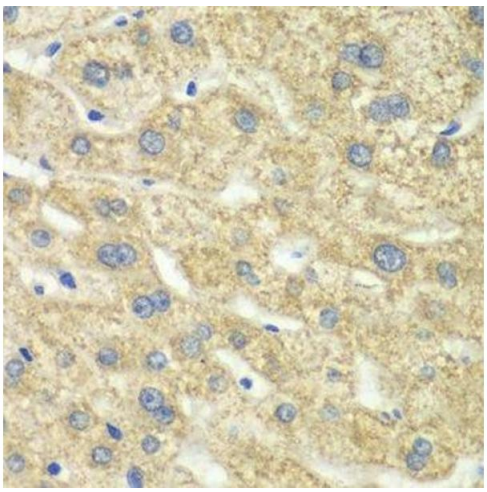
## Handling

| | |
|---|---|
| Format: | Liquid |
| Buffer: | PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3. |
| 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: | -20 °C |
| Storage Comment: | Store at -20°C. Avoid freeze / thaw cycles. |

## Publications

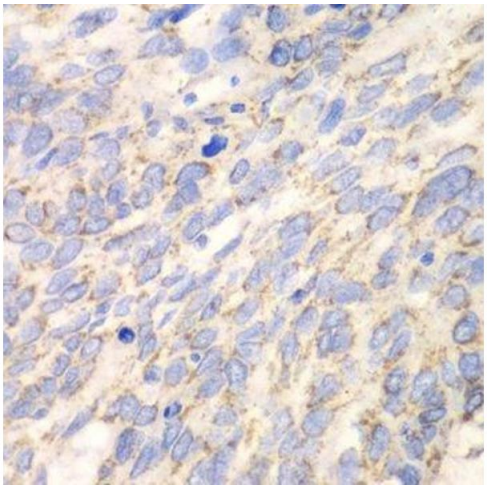
Product cited in: Dong, Wang, Kao, Diaz, Tasset, Kaushik, Thiruthuvanathan, Zintiridou, Nieves, Dzieciatkowska, Reisz, Gavathiotis, DAlessandro, Will, Cuervo: "Chaperone-mediated autophagy sustains haematopoietic stem-cell function." in: **Nature**, Vol. 591, Issue 7848, pp. 117-123, (2021) ( PubMed).

## Images



**Immunohistochemistry (Paraffin-embedded Sections)**

**Image 1.** Immunohistochemistry of paraffin-embedded human liver injury using DLD antibody.



**Immunohistochemistry (Paraffin-embedded Sections)**

**Image 2.** Immunohistochemistry of paraffin-embedded human esophageal cancer using DLD antibody.

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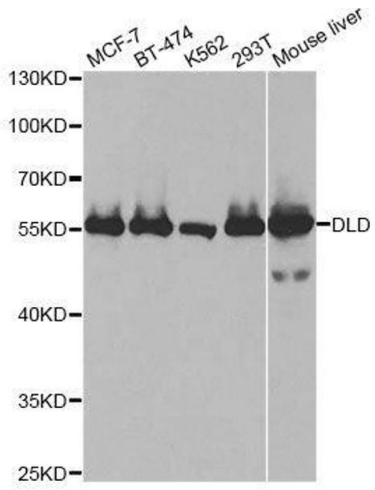


**Western Blotting**

**Image 3.** Western blot analysis of extracts of various cell lines, using DLD antibody.

Please check the product details page for more images. Overall 4 images are available for ABIN6139641.