Datasheet for ABIN7266766

anti-DLD antibody

6 Images

Go to Product page

Overview

Quantity:	100 µL
Target:	DLD
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This DLD antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Purpose:	DLDH/DLD Rabbit mAb
Immunogen:	A synthesized peptide derived from human DLDH/DLD
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	DLD
Alternative Name:	DLD (DLD Products)
Background:	This gene encodes a member of the class-I pyridine nucleotide-disulfide oxidoreductase family.

Target Details

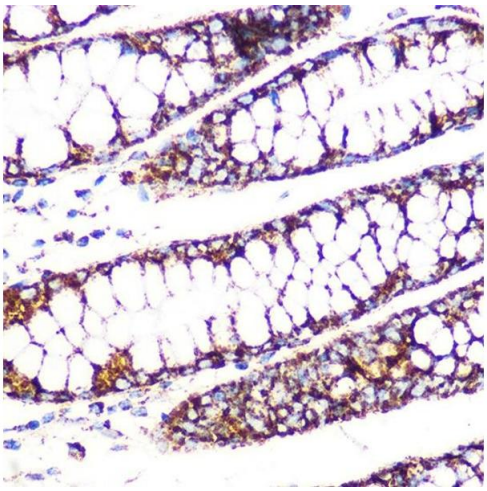
	The encoded protein has been identified as a moonlighting protein based on its ability to perform mechanistically distinct functions. In homodimeric form, the encoded protein functions as a dehydrogenase and is found in several multi-enzyme complexes that regulate energy metabolism. However, as a monomer, 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. [provided by RefSeq, Jan 2014],DLDD, DLDH, E3, GCSL, LAD, PHE3,Amino acid metabolism,Cancer,Carbohydrate metabolism,Endocrine & Metabolism,Signal Transduction,DLD
Molecular Weight:	56kDa
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

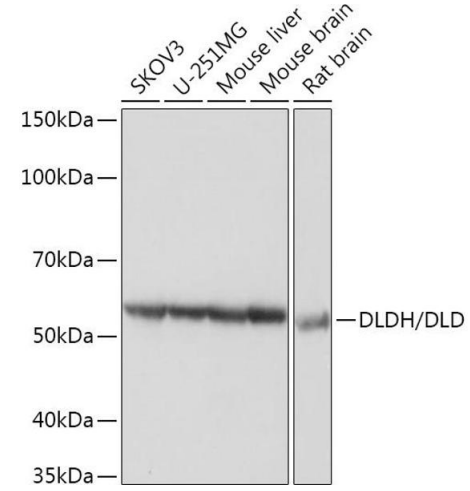
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,0.05 % BSA,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.



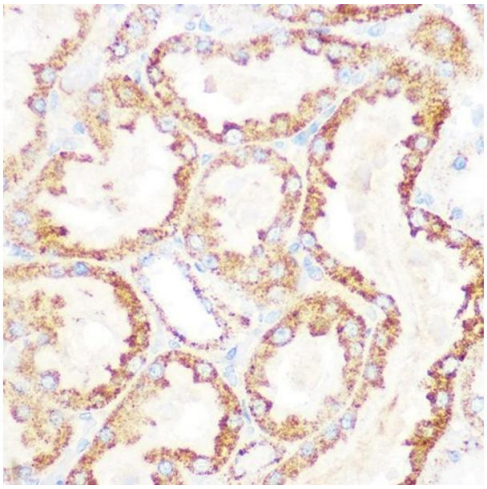
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human colon using DLDH/DLD Rabbit mAb (ABIN7266766) at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using DLDH/DLD Rabbit mAb (ABIN7266766) at 1:3000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 1s.



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded rat kidney using DLDH/DLD Rabbit mAb (ABIN7266766) at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Please check the product details page for more images. Overall 6 images are available for ABIN7266766.