

DLD Polyclonal ANTIBODY

Catalog Number: 16431-1-AP

2 Publications

Basic Information

Catalog Number:
16431-1-AP

Size:
20 µg/150 µl

Source:
Rabbit

Isotype:
IgG

Purification Method:
Antigen affinity purification

Immunogen Catalog Number:
AC9729

GenBank Accession Number:
BC018696

GeneID (NCBI):
1738

Full Name:
dihydropyrimidinase

Calculated MW:
509aa, 54 kDa

Observed MW:
56 kDa

Recommended Dilutions:

WB 1:1000-1:6000

IP 0.5-4.0 µg for IP and 1:500-1:2000 for WB

IHC 1:20-1:200

Applications

Tested Applications:

IHC, IP, WB, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human

Note: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: mouse heart tissue; human liver tissue, rat brain tissue, HepG2 cells, human brain tissue, HeLa cells, rat heart tissue

IP: mouse liver tissue;

IHC: human kidney tissue; human heart tissue, human testis tissue, human liver tissue, human ovary tissue

Background Information

DLD (Dihydropyrimidinase, mitochondrial) is also named as GCSL, LAD, PHE3 and belongs to the class-I pyridine nucleotide-disulfide oxidoreductase family. It catalyzes the oxidation of dihydropyrimidinase, hE3 uses two molecules: non-covalently bound FAD and a transiently bound substrate, NAD⁺. DLD is involved in the hyperactivation of spermatazoa during capacitation and in the spermatazoal acrosome reaction.

Notable Publications

Author	Pubmed ID	Journal	Application
Rosalba Carozzo	25251739	Mitochondrion	WB
Henrick Horita	29786648	Proteomes	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

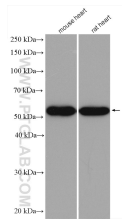
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

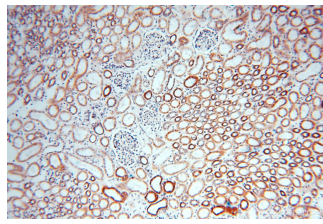
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

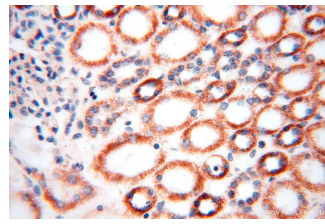
Selected Validation Data



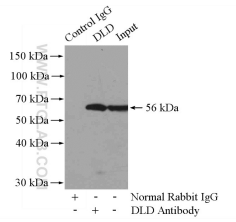
Various lysates were subjected to SDS PAGE followed by western blot with 16431-1-AP (DLD antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours



Immunohistochemical analysis of paraffin-embedded human kidney using 16431-1-AP(DLD antibody) at dilution of 1:100 (under 10x lens)



Immunohistochemical analysis of paraffin-embedded human kidney using 16431-1-AP(DLD antibody) at dilution of 1:100 (under 40x lens)



IP Result of anti-DLD (IP: 16431-1-AP, 4ug; Detection: 16431-1-AP 1:1000) with mouse liver tissue lysate 6000ug.