

For Research Use Only

DBT Polyclonal antibody

Catalog Number: 12451-1-AP **7 Publications**



Basic Information

Catalog Number:

12451-1-AP

Size:

600 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3101

GenBank Accession Number:

BC016675

GeneID (NCBI):

1629

UNIPROT ID:

P11182

Full Name:

dihydroipoamide branched chain transacylase E2

Calculated MW:

482 aa, 53 kDa

Observed MW:

53 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1500-1:6000

IHC 1:500-1:2000

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IHC, IP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

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

Positive Controls:

WB: HepG2 cells, mouse brain tissue, rat brain tissue, NCI-H1299 cells

IHC: human stomach cancer tissue, rat kidney tissue

IF/ICC: HepG2 cells,

Background Information

Notable Publications

Author	Pubmed ID	Journal	Application
Danielle Murashige	36223763	Cell Metab	WB
Wing-Hang Tong	36061025	Heliyon	WB
Jamie E Blum	34383048	J Nutr	WB,IP

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:

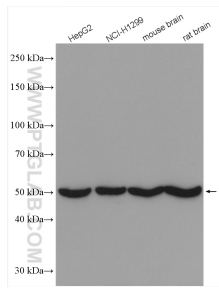
T: 4006900926

E: Proteintech-CN@ptglab.com

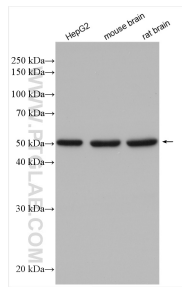
W: ptgcn.com

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

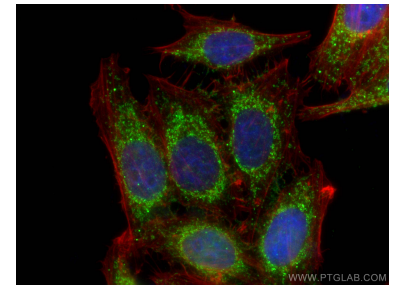
Selected Validation Data



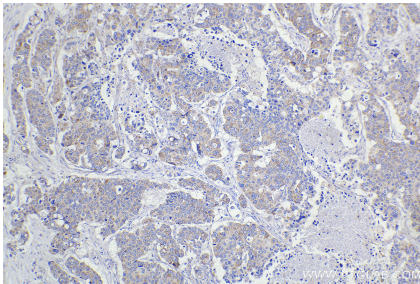
Various lysates were subjected to SDS PAGE followed by western blot with 12451-1-AP (DBT antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



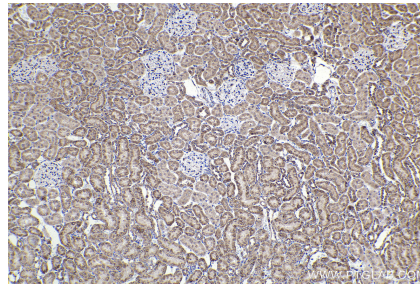
Various lysates were subjected to SDS PAGE followed by western blot with 12451-1-AP (DBT antibody) at dilution of 1:15000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using DBT antibody (12451-1-AP) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 12451-1-AP (DBT antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat kidney tissue slide using 12451-1-AP (DBT antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).