

For Research Use Only

MLXIPL Polyclonal antibody

Catalog Number: 33703-1-AP



Basic Information

Catalog Number:

33703-1-AP

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG37912

GenBank Accession Number:

NM_032951

GeneID (NCBI):

51085

UNIPROT ID:

Q9NP71

Full Name:

MLX interacting protein-like

Calculated MW:

93 kDa

Observed MW:

78 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

WB: 1:1000-1:4000

IHC: 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

human, mouse, rat

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 : K-562 cells, mouse kidney tissue, rat kidney tissue

IHC : human liver cancer tissue,

Background Information

Carbohydrate response element-binding protein (ChREBP), also known as MLXIPL, is a glucose-responsive transcription factor that has a fundamental role in the glucose-mediated induction of genes involved in hepatic glycolysis and lipogenesis. Circulating blood glucose levels affect ChREBP activity in hepatocytes largely by post-translational mechanisms that include phosphorylation-dependent subcellular localization [PMID:21665952]. It enhances expression of the liver pyruvate kinase (LPK) gene and all lipogenic enzyme genes resulting in the conversion of excess dietary carbohydrate into triglycerides that can be stored as fat [PMID:15118080]. Molecular Weight of ChREBP splice variants: 62/78/91/93 kDa.

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

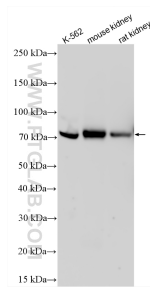
T: 4006900926

E: Proteintech-CN@ptglab.com

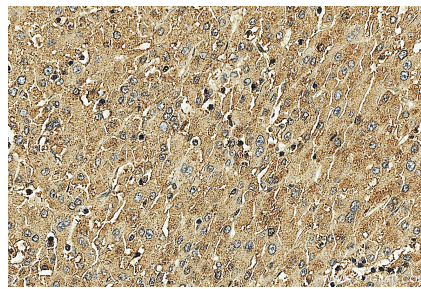
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 33703-1-AP (MLXIPL antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 33703-1-AP (MLXIPL antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).