

For Research Use Only

MLXIPL Polyclonal antibody

Catalog Number: 33703-1-AP



Basic Information

Catalog Number: 33703-1-AP	GenBank Accession Number: NM_032951	Purification Method: Antigen affinity Purification
Size: 150ul , Concentration: 530 ug/ml by Nanodrop;	GeneID (NCBI): 51085	Recommended Dilutions: WB: 1:1000-1:4000 IHC: 1:50-1:500
Source: Rabbit	UNIPROT ID: Q9NP71	
Isotype: IgG	Full Name: MLX interacting protein-like	
Immunogen Catalog Number: AG37912	Calculated MW: 93 kDa	
	Observed MW: 78 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Species Specificity: human, mouse, rat	WB : K-562 cells, mouse kidney tissue, rat kidney tissue
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	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

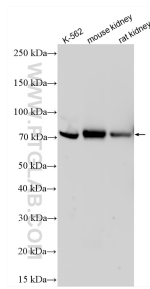
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

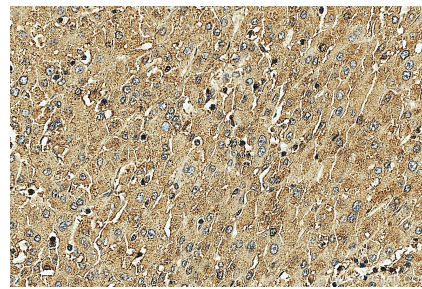
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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Selected Validation Data



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).