

For Research Use Only

MLXIPL Polyclonal antibody

Catalog Number: 13256-1-AP **13 Publications**



Basic Information

Catalog Number: 13256-1-AP	GenBank Accession Number: BC012925	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 µg/ml by Nanodrop and 280 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 51085	Recommended Dilutions: WB 1:500-1:1000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
Source: Rabbit	Full Name: MLX interacting protein-like	
Isotype: IgG	Calculated MW: 852 aa, 93 kDa	
Immunogen Catalog Number: AG3481	Observed MW: 65 kDa	

Applications

Tested Applications: IP, WB, ELISA	Positive Controls:
Cited Applications: IF, IHC, WB	WB: mouse liver tissue, human liver tissue, HepG2 cells, HeLa cells, rat liver tissue
Species Specificity: human, mouse, rat	IP: HepG2 cells,
Cited Species: human, mouse	

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Yongyao Gao	35620283	Front Pharmacol	
Wenxi He	31076985	Dig Dis Sci	WB
Dandan Wang	33950051	Food Funct	WB

Storage

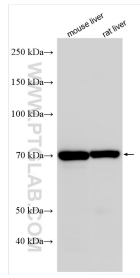
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

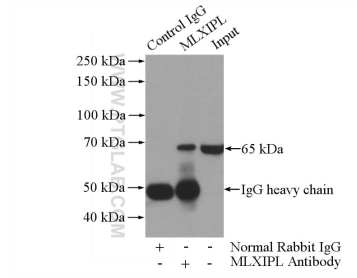
For technical support and original validation data for this product please contact:
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 13256-1-AP (MLXIPL antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



IP Result of anti-MLXIPL (IP:13256-1-AP, 4ug; Detection:13256-1-AP 1:1000) with HepG2 cells lysate 3600ug.