

For Research Use Only

MLXIP Monoclonal antibody

Catalog Number: 68977-1-Ig



Basic Information

Catalog Number: 68977-1-Ig	GenBank Accession Number: BC039704	Purification Method: Protein A purification
Size: 150ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 22877	CloneNo.: 2E11A4
Source: Mouse	UNIPROT ID: Q9HAP2	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG2b	Full Name: MLX interacting protein	
Immunogen Catalog Number: AG4519	Calculated MW: 919 aa, 100 kDa	
	Observed MW: 130 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : ACHN cells, A549 cells, HEK-293 cells, Jurkat cells, K-562 cells, Mo7e cells
Species Specificity: human	

Background Information

Mlx-interacting protein(MLXIP), after forming heterodimers with MLX, can bind to and then activate transcription from CACGTG E boxes. The N terminus of MLXIP acts as a CRM1-dependent nuclear export signal and contribute to the cytoplasmic localization of the complex, and as a binding site for 13 protein. the C terminus contains a cytoplasmic localization signal and mediates protein-protein interaction of MONDOA and MLX. The complex play a role in transcriptional activation of glycolytic target genes and glucose-responsive gene regulation. This antibody could recognize isoform1(~110kd) and isoform3(~69kd) of MLXIP. A prominent and specific MLXIP of approximately 130 kDa was detected. It demonstrates that MLXIP associated specifically with Mlx in the cytoplasm (PMID: 11073985).

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

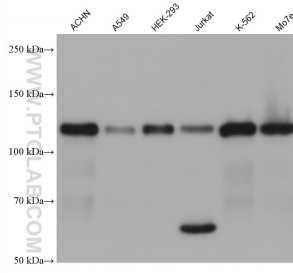
For technical support and original validation data for this product please contact:

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

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68977-1-Ig (MLXIP antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.