

MLXIP Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP10228a

Product Information

Application	WB, IHC-P, E
Primary Accession	Q9HAP2
Other Accession	Q2VPU4 , NP_055753.3
Reactivity	Human, Mouse
Predicted	Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB25012
Calculated MW	101185
Antigen Region	72-100

Additional Information

Gene ID	22877
Other Names	MLX-interacting protein, Class E basic helix-loop-helix protein 36, bHLHe36, Transcriptional activator MondoA, MLXIP (HGNC:17055)
Target/Specificity	This MLXIP antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 72-100 amino acids from the N-terminal region of human MLXIP.
Dilution	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	MLXIP Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	MLXIP (HGNC:17055)
Function	Binds DNA as a heterodimer with MLX and activates transcription. Binds to the canonical E box sequence 5'-CACGTG-3'. Plays a role in transcriptional

activation of glycolytic target genes. Involved in glucose-responsive gene regulation.

Cellular Location

Cytoplasm. Nucleus {ECO:0000255 | PROSITE- ProRule:PRU00981, ECO:0000269 | PubMed:12446771, ECO:0000269 | PubMed:16782875}. Mitochondrion outer membrane Note=Predominantly cytoplasmic but shuttles between cytoplasm and nucleus when associated with MLX. Also associates with the outer mitochondrial membrane and may shuttle between the outer mitochondrial membrane and the nucleus. {ECO:0000250 | UniProtKB:Q2VPU4, ECO:0000269 | PubMed:12446771, ECO:0000269 | PubMed:16782875}

Tissue Location

Widely expressed in adult tissues. Most abundant in skeletal muscle.

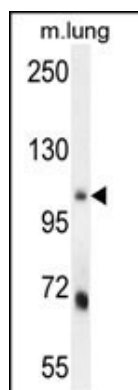
Background

MONDOA forms heterodimers with MLX (MIM 602976) that can bind to and activate transcription from CACGTG E boxes (Billin et al., 2000 [PubMed 11073985]).

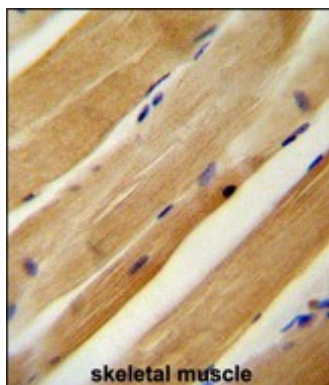
References

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Images



MLXIP Antibody (N-term) (Cat. #AP10228a) western blot analysis in mouse lung tissue lysates (35ug/lane). This demonstrates the MLXIP antibody detected the MLXIP protein (arrow).



MLXIP antibody (N-term) (Cat. #AP10228a) immunohistochemistry analysis in formalin fixed and paraffin embedded human skeletal muscle followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the MLXIP antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.