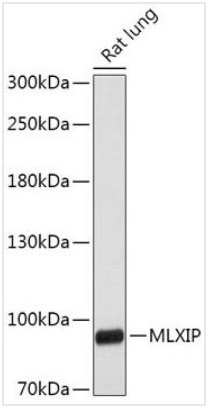
MLXIP Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	MLXIP, Polyclonal Antibody
Full Product Name	MLXIP Rabbit pAb
Product Gene Name	anti-MLXIP antibody
Product Synonym Names	MIR; MONDOA; bHLHe36; MLXIP
Immunogen Sequence	ARAHASAAPP PPRAGPGREE PPRRQQIIHS GHFMVSSPHR EHPPKKGYDF DTVNKQTCQT YSFGKTSSCH LSIDASLTKL FECMTLAYSG KLVSPKWKNF K
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Rat
Form/Format	Liquid. PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Purity/Purification	Affinity purification
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	Predicted: 20 kDa Observed: 21 kDa
OMIM	AF312918 mRNA
3D Structure	ModBase 3D Structure for Q9HAP2
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 50-150 of human MLXIP (NP_055753.3).
Positive Samples	Rat lung
Research Area	Epigenetics & Nuclear Signaling Transcription Factors
Product Categories/Family for anti-MLXIP antibody	Catalog Antibodies; Polyclonal Antibodies; Primary Antibodies
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-MLXIP antibody	Western Blot (WB)
Application Notes for anti-MLXIP antibody	WB: 1:500-1:2000
Related Product Information for anti-MLXIP antibody	This gene encodes a protein that functions as part of a heterodimer to activate transcription. The encoded protein forms a heterodimer with Max-like protein X (MLX) and is involved in the regulation of genes in response to cellular glucose levels. [provided by RefSeq, Mar 2014]
Other Notes	Small volumes of anti-MLXIP antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for MLXIP purchase	MBS9144281 is an antibody targeting MLXIP. Also known as MLXIP Rabbit pAb. Reactive in Human, Rat. Host: Rabbit.



Western Blot (WB) of anti-MLXIP antibody
Western blot analysis of extracts of Rat lung, using MLXIP antibody (MBS9144281) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 1s.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MLXIP. It may not necessarily be applicable to this product.

NCBI GI #	111955326
NCBI GeneID	22877
NCBI Accession #	NP_055753
UniProt Primary Accession #	Q9HAP2
UniProt Secondary Accession #	O94945; Q7LC47; Q8IXP1; Q8TAH9; Q8WVQ0; Q8WYA5; A7MBN0
UniProt Related Accession #	Q9HAP2
GenBank Nucleotide #	NM_014938.5
NCBI Official Full Name	MLX-interacting protein
NCBI Official Synonym Full Names	MLX interacting protein
NCBI Official Symbol	MLXIP
NCBI Official Synonym Symbols	MIR; MONDOA; bHLHe36
UniProt Protein Name	MLX-interacting protein
UniProt Synonym Protein Names	Class E basic helix-loop-helix protein 36; bHLHe36; Transcriptional activator MondoA
Protein Family	MLX-interacting protein
UniProt Gene Name	MLXIP
UniProt Synonym Gene Names	bHLHe36
NCBI Protein Information	MLX-interacting protein
UniProt Comments for MLXIP	MLXIP: 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. 5 isoforms of the human protein are produced by alternative splicing. Chromosomal Location of Human Ortholog: 12q24.31 Cellular Component: nucleus Molecular Function: transcription factor activity

Research Articles on MLXIP	**1.** Evaluation of the conservation of ChREBP and MondoA sequences demonstrate that MondoA is better conserved and potentially mediates more ancient function in glucose metabolism.
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