

MONDOA Rabbit pAb

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Catalog # AP57326

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9HAP2
Reactivity	Rat, Mouse
Predicted	Human, Rabbit, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	101185
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human MONDOA
Epitope Specificity	31-130/919
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasm. Nucleus. Mitochondrion outer membrane.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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]

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)
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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}

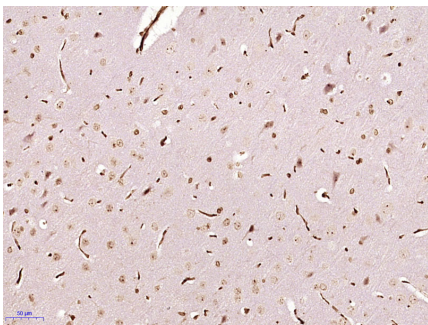
Tissue Location

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

Background

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Images



Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (MONDOA) Polyclonal Antibody, Unconjugated (AP57326) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.