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TCFL4 Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51344

Product Information

Application	WB, ICC, IHC-P
Primary Accession	Q9UH92
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	33300

Additional Information

Gene ID	6945
Other Names	Max-like protein X, Class D basic helix-loop-helix protein 13, bHLHd13, Max-like bHLHZip protein, Protein BigMax, Transcription factor-like protein 4, MLX, BHLHD13, TCFL4
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human TCFL4. The exact sequence is proprietary.
Dilution	WB~~1:1000 ICC~~N/A IHC-P~~N/A
Format	0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	MLX
Synonyms	BHLHD13, TCFL4
Function	Transcription regulator. Forms a sequence-specific DNA- binding protein complex with MAD1, MAD4, MNT, WBSCR14 and MLXIP which recognizes the core sequence 5'-CACGTG-3'. The TCFL4-MAD1, TCFL4-MAD4, TCFL4-WBSCR14 complexes are transcriptional repressors. Plays a role in transcriptional activation of glycolytic target genes. Involved in glucose-responsive gene regulation.
Cellular Location	[Isoform Alpha]: Cytoplasm. Note=Found predominantly in the cytoplasm (PubMed:10918583). [Isoform Gamma]: Nucleus. Note=Found predominantly in the nucleus (PubMed:10918583).
Tissue Location	Expressed in all tissues tested, including spleen, thymus, prostate, ovary,

intestine, colon, peripheral blood leukocyte, heart, liver, skeletal muscle and kidney. Lower levels of expression in testis, brain, placenta and lung.

Background

Transcription regulator. Forms a sequence-specific DNA- binding protein complex with MAD1, MAD4, MNT, WBSCR14 and MLXIP which recognizes the core sequence 5'-CACGTG-3'. The TCFL4-MAD1, TCFL4-MAD4, TCFL4-WBSCR14 complexes are transcriptional repressors. Plays a role in transcriptional activation of glycolytic target genes. Involved in glucose-responsive gene regulation.

References

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