Datasheet for ABIN7126996

anti-MLX antibody

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Overview

Quantity:	100 µg
Target:	MLX
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This MLX antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Flow Cytometry (FACS)

Product Details

Immunogen:	Recombinant full-length human MLX protein
Isotype:	IgG2b
Specificity:	Max is a nuclear localized bHLH-Zip protein that forms homodimers or heterodimers with Myc family members, including Myc, Mad1, Mad3, Mad4, Mxi1 and Mnt (or Rox). These dimers bind to the E-box sequence CACGTG in order to regulate cell growth, proliferation and apoptosis. Mlx (Max-like protein X) is a bHLH-Zip protein that is structurally and functionally related to Max. Like Max, Mlx is broadly expressed in many tissues and has a long half-life. Mlx also forms homodimers or heterodimers with members of the Myc family, specifically Mad1, Mad4 and Rox, and members of the Mondo family, to repress or activate transcription from CACGTG E-boxes. MondoA forms weak homodimers and preferentially forms heterodimers with Mlx. The MondoA/Mlx complex is primarily localized to the cytoplasm, but will translocate to the nucleus in response to leptomycin B. Mlx can also dimerize with WBSCR14, a protein involved in Williams-Beuren syndrome (WBS), to repress E-box transcription, which provides further

Product Details

	evidence that Mlx is a critical element in a transcription factor network.
Cross-Reactivity (Details):	Human
Purification:	1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

Target Details

Target:	MLX
Alternative Name:	MLX (MLX Products)
Background:	BHLHd13, Class D basic helix-loop-helix protein 13, MAD7, Max-like bHLHZip protein, Max-like protein X, MLXIP, MONDOA, MXD7, Protein BigMax, Protein Mlx, Transcription factor-like protein 4 (TCFL4),MLX Cellular localisation: Nucleus and cytoplasm.
Molecular Weight:	30kDa
Gene ID:	6945
UniProt:	Q9UH92

Application Details

Application Notes:	Known_Application: Flow Cytometry (1-2 µg/million cells), Immunofluorescence (1-2 µg/mL), Western Blot (1-2 µg/mL), ,Optimal dilution for a specific application should be determined. Positive_Control: HeLa or MCF7 cells.
Restrictions:	For Research Use only

Handling

Concentration:	1.0 mg/mL
Buffer:	Prepared in 10 mM PBS, WITHOUT BSA and Azide.
Preservative:	Azide free
Storage:	-20 °C,-80 °C
Storage Comment:	Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous.
Expiry Date:	24 months