

Goat anti-MLX Antibody

Item Number	dAP-1955
Target Molecule	Principle Name: MLX; Official Symbol: MLX; All Names and Symbols: MLX; MAX-like protein X; MAD7; MXD7; TCFL4; bHLHd13; BigMax protein; MAX-like bHLHZIP protein; transcription factor-like 4; transcription factor-like protein 4; Accession Number (s): NP_937848.1; NP_937847.1; NP_733752.1; Human Gene ID(s): 6945; Non-Human GeneID(s): 21428 (mouse) 360631 (rat)
Immunogen	QIVKAHQDNPHEGED, is from internal region This antibody is expected to recognize all three reported isoforms (NP_937848.1; NP_937847.1; NP_733752.1).
Applications	Pep ELISA, IHC Species Tested: Human
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 128000.
Western Blot	Western Blot: Preliminary experiments in Human, Mouse and Rat Liver lysates gave no specific signal but low background (at antibody concentration up to 1µg/ml). We would appreciate any feedback from people in the field - have any results been reported wi
IHC	Immunohistochemistry: In paraffin embedded Human Placenta shows nuclear staining of trophoblasts. Recommended concentration, 2.5-3.8µg/ml.

Reference	Reference(s): Stoltzman CA, Peterson CW, Breen KT, Muoio DM, Billin AN, Ayer DE, Glucose sensing by MondoA: Mlx complexes: a role for hexokinases and direct regulation of thioredoxin-interacting protein expression. Proceedings of the National Academy of Sciences of the United States of America 2008 May 105
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Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**