

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human MLX in direct ELISAs and Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human MLX Glu197-Tyr298 Accession # EAW60842
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide
*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.	

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunocytochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

MLX (Max-like protein X; also known as transcription factor-like protein 4) is a 30 kDa member of the Max-like bHLHZip family of proteins. It is widely expressed and is found in both cytoplasm and nucleus. MLX is a transcriptional repressor when dimerized with MAD family members and a transcriptional activator when dimerized with MONDO family members. Human MLX is 298 amino acids (aa) in length. It contains one DNA-binding region (aa 76-87), an HLH domain (aa 127-192) and a Leu-zipper domain (aa 140-160). There are three alternate splice short forms. One shows the deletion of aa 15-68, a second shows deletion of aa 15-68 and 81-110, and a third shows a 3 aa substitution for aa 111-298. Over aa 197-298, human MLX is 99% identical to mouse and canine MLX.

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