

Datasheet for ABIN2777585
anti-MXD4 antibody (N-Term)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µL
Target:	MXD4
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rabbit, Sheep, Cow, Dog, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MXD4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human MXD4
Sequence:	SLILILEAAE YLERRDREAE HGYASVLPFD GDFAREKTKA AGLVRKAPNN
Predicted Reactivity:	Cow: 93%, Dog: 93%, Guinea Pig: 93%, Human: 100%, Mouse: 86%, Rabbit: 93%, Sheep: 93%
Characteristics:	This is a rabbit polyclonal antibody against MXD4. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	MXD4
Alternative Name:	MXD4 (MXD4 Products)

Target Details

Background:	<p>MXD4 is a member of the MAD gene family . The MAD genes encode basic helix-loop-helix-leucine zipper proteins that heterodimerize with MAX protein, forming a transcriptional repression complex. The MAD proteins compete for MAX binding with MYC, which heterodimerizes with MAX forming a transcriptional activation complex. Studies in rodents suggest that the MAD genes are tumor suppressors and contribute to the regulation of cell growth in differentiating tissues.</p> <p>Alias Symbols: MAD4, MST149, MSTP149, bHLHc12</p> <p>Protein Interaction Partner: TCP10L, UBC, SHBG, SIN3A, MLX, MAX, SMC3,</p> <p>Protein Size: 209</p>
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Molecular Weight:	24 kDa
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Gene ID:	10608
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NCBI Accession:	NM_006454 , NP_006445
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UniProt:	Q14582
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Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
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Comment:	Antigen size: 209 AA
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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Concentration:	Lot specific
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Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
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Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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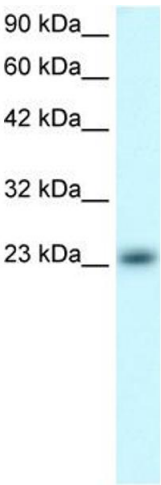
Handling Advice:	Avoid repeated freeze-thaw cycles.
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Storage:	-20 °C
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Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small
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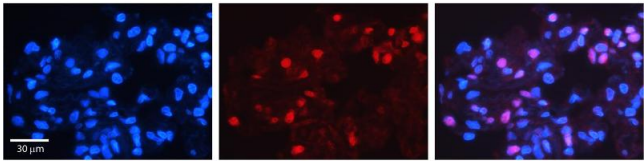
aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-MXD4 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: Jurkat cell lysate



Immunohistochemistry

Image 2. MXD4 antibody - N-terminal region Formalin Fixed Paraffin Embedded Tissue: Human Lung Tissue Observed Staining: Nucleus of pneumocytes Primary Antibody Concentration: 1:100 Other Working Concentrations: 1/600 Secondary Antibody: Donkey anti-Rabbit-Cy3 Secondary Antibody Concentration: 1:200 Magnification: 20X Exposure Time: 0.5 - 2.0 sec