Datasheet for ABIN2777278

anti-MXI1 antibody (Middle Region)

2 Images

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Overview

Quantity:	100 µL
Target:	MXI1
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Dog, Cow, Guinea Pig, Rabbit, Zebrafish (Danio rerio), Saccharomyces cerevisiae, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MXI1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human MXI1
Sequence:	QGPQEMERIR MDSIGSTISS DRSDSEREEI EVDVESTEFS HGEVDNISTT
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 79%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Yeast: 90%, Zebrafish: 77%
Characteristics:	This is a rabbit polyclonal antibody against MXI1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	MXI1

Target Details

Alternative Name:	MXI1 (MXI1 Products)
Background:	Expression of the c-myc gene, which produces an oncogenic transcription factor, is tightly regulated in normal cells but is frequently deregulated in human cancers. The MXI1 gene encodes a transcriptional repressor protein thought to negatively regulate MYC function, and is therefore a potential tumor suppressor. This protein inhibits the transcriptional activity of MYC by competing for MAX, another basic helix-loop-helix protein that binds to MYC and is required for its function. Defects in MXI1 are frequently found in patients with prostate tumors. Expression of the c-myc gene, which produces an oncogenic transcription factor, is tightly regulated in normal cells but is frequently deregulated in human cancers. The protein encoded by this gene is a transcriptional repressor thought to negatively regulate MYC function, and is therefore a potential tumor suppressor. This protein inhibits the transcriptional activity of MYC by competing for MAX, another basic helix-loop-helix protein that binds to MYC and is required for its function. Defects in this gene are frequently found in patients with prostate tumors. Three alternatively spliced transcripts encoding different isoforms have been described. Additional alternatively spliced transcripts may exist but the products of these transcripts have not been verified experimentally. Alias Symbols: MAD2, MGC43220, MXD2, MXI, bHLHc11 Protein Interaction Partner: NOTCH2NL, KRTAP10-3, KRTAP10-8, KRTAP10-5, KRTAP10-9, KRTAP10-7, KRT40, RPL23AP32, CALCOCO2, MAX, ENTPD5, UBC, APP, CDC20, BUB1B, SIN3B, SIN3A, SMC3, MYC, Protein Size: 295
Molecular Weight:	33 kDa
Gene ID:	4601
NCBI Accession:	NM_130439, NP_569157
Pathways:	Maintenance of Protein Location

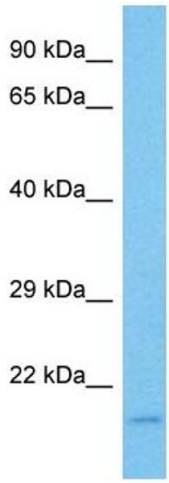
Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 295 AA
Restrictions:	For Research Use only

Handling

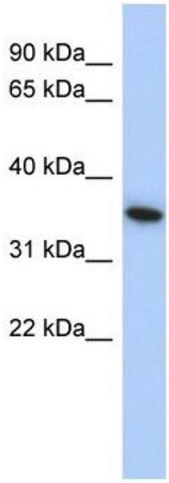
Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained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

Images



Western Blotting

Image 1. Host: Mouse Target Name: MXI1 Sample Tissue: Mouse Testis Antibody Dilution: 1ug/ml



Western Blotting

Image 2. WB Suggested Anti-MXI1 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: SH-SYSY cell lysate MXI1 is supported by BioGPS gene expression data to be expressed in SHSY5Y