

For Research Use Only

# MXI1 Recombinant antibody

Catalog Number: 84733-6-RR



## Basic Information

<b>Catalog Number:</b> 84733-6-RR	<b>GenBank Accession Number:</b> BC012907	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 4601	<b>CloneNo.:</b> 242089D5
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P50539	<b>Recommended Dilutions:</b> IF/ICC 1:200-1:800
<b>Isotype:</b> IgG	<b>Full Name:</b> MAX interactor 1	
<b>Immunogen Catalog Number:</b> AG3024	<b>Calculated MW:</b> 228 aa, 26 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC, FC (Intra), ELISA	<b>Positive Controls:</b> IF/ICC : SH-SY5Y cells,
<b>Species Specificity:</b> human	

## Background Information

MXI1 is a transcription factor containing a basic helix-loop-helix leucine zipper (bHLHzip) and belongs to the Myc-Max-Mad transcriptional network. It 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.

## Storage

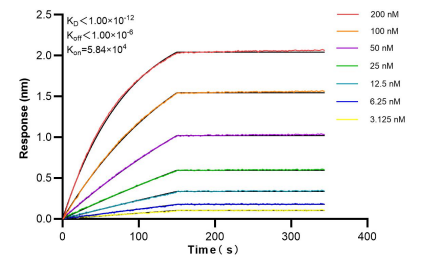
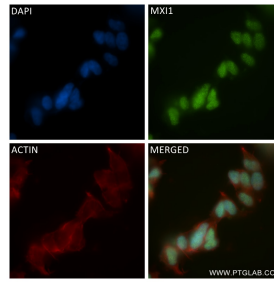
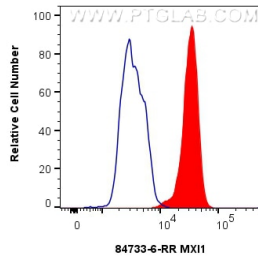
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

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## Selected Validation Data



1x10<sup>6</sup> HeLa cells were intracellularly stained with 0.25 ug MXI1 Recombinant antibody (84733-6-RR, Clone:242089D5) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).

Immunofluorescent analysis of (4% PFA) fixed SH-SY5Y cells using MXI1 antibody (84733-6-RR, Clone: 242089D5 ) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).

Biolayer interferometry (BLI) kinetic assays of 84733-6-RR against Human MXI1 were performed. The affinity constant is below 1 pM.