

For Research Use Only

# MXI1 Recombinant antibody

Catalog Number: 84733-6-RR



## Basic Information

Catalog Number:

84733-6-RR

Concentration:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3024

GenBank Accession Number:

BC012907

GeneID (NCBI):

4601

UNIPROT ID:

P50539

Full Name:

MAX interactor 1

Calculated MW:

228 aa, 26 kDa

Purification Method:

Protein A purification

CloneNo.:

242089D5

Recommended Dilutions:

IF/ICC: 1:200-1:800

FC (Intra): 0.25 ug per 10<sup>6</sup> cells in a  
100 µl suspension

## Applications

Tested Applications:

IF/ICC, FC (Intra), ELISA

Species Specificity:

human

Positive Controls:

IF/ICC : SH-SY5Y cells,

FC (Intra) : HeLa cells,

## 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, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

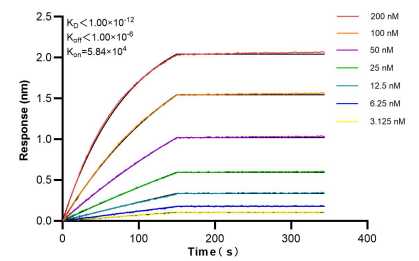
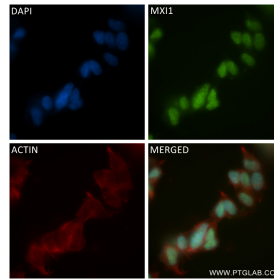
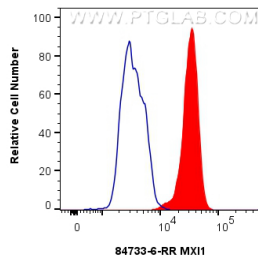
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## Selected Validation Data



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.