Antibody Name: Anti-human Mxi1 Antibody  
Target: Mxi1

Company/Source: R&D Systems

Catalog Number, database ID, laboratory: AF4185  
Lot Number: ZIJO107031

Produced in a goat immunized with purified, E. coli-derived, recombinant human Mxi1 (rhMxi1; aa 81 - 228; Accession # P50539). Human Mxi1 specific IgG was purified by human Mxi1 affinity chromatography.

Mxi-1 (Max interactor 1) is a 26 kDa member of the bHLH-leucine zipper family, Myc superfamily of transcription factors. It is a widely expressed transcriptional repressor that heterodimerizes with Max to form a high affinity DNA binding platform and a bHLH domain (aa 61 - 120). Over aa 81 - 228, human Mxi-1 is 95% aa identical to mouse Mxi-1.

Species Target: Mouse  
Species Host: Goat

Validation Method #1: Immunoprecipitation  
Validation Method #2: IP-Mass Spec

Purification Method: Affinity  
Polyclonal/Monoclonal: Polyclonal


Please complete the following for antibodies to histone modifications:

If your specifications are not listed in the drop-down box, please write-in the appropriate information

Histone Name  
AA modified  
AA Position  
Modification
Immuno precipitation of CH12 and MEL nuclear extracts using anti-Mxi antibody (AF4185) efficiently enriched a single band of the expected molecular weight of Mxi (~35 kD).

Validation #1
Analysis
Arrow indicates immunoprecipitated band of expected size of Mxi-1 in both CH12 and MEL cell lines (~35 kDa).

Validation 1: Immunoprecipitation (IP) in both CH12 and MEL cell lines

NE: nuclear extract
S: supernatant after IP
IP: IP with tested antibody
IgG: IP with control IgG

Validation 2: E. coli-derived, recombinant human Mxi1 aa 81 - 228
Epitope: Mxi-1 antibody was produced in a goat immunized with purified,
Antibody: Mxi-1 Source: AF4185 AF4185
AF4185 has been validated by IP-Mass Spec in K562 cells. See validation documents submitted for human cell lines for details.