

MAGOH (H-117): sc-99124

BACKGROUND

MAGOH, the human homolog of *Drosophila mago nashi*, is required for embryo development. MAGOH is ubiquitously expressed in adult tissues. It has an unusual structure consisting of an extremely flat, six-stranded anti-parallel β sheet packed next to two helices. MAGOH interacts with Y14 to form a complex that plays a crucial role in postslicing processing (including nuclear export and cytoplasmic localization of the mRNA), as well as in the nonsense-mediated mRNA decay (NMD) surveillance process. The MAGOH-Y14 complex remains persistently associated in the same position on the mRNA after its export to the cytoplasm and requires translation of the mRNA for removal. This complex may illustrate the mechanism of the pre-mRNA splicing machinery for forming a stable exon-exon junction complex-mRNA at splice junctions.

REFERENCES

- Zhao, X.F., et al. 1998. The mammalian homolog of mago nashi encodes a serum-inducible protein. *Genomics* 47: 319-322.
- Zhao, X.F., et al. 2000. MAGOH interacts with a novel RNA-binding protein. *Genomics* 63: 145-148.

CHROMOSOMAL LOCATION

Genetic locus: MAGOH (human) mapping to 1p32.3; Magoh (mouse) mapping to 4 C7, Magohb (mouse) mapping to 6 F3.

SOURCE

MAGOH (H-117) is a rabbit polyclonal antibody raised against amino acids 30-146 mapping near the C-terminus of MAGOH of human origin.

PRODUCT

Each vial contains 200 μ g IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin. Also available as TransCruz reagent for Gel Supershift and ChIP applications, sc-99124 X, 200 μ g/0.1 ml.

APPLICATIONS

MAGOH (H-117) is recommended for detection of MAGOH of human, mouse and rat origin and MAGOHB of mouse origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 μ g per 100-500 μ g of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

MAGOH (H-117) is also recommended for detection of MAGOH in additional species, including equine, canine, bovine, porcine and avian.

Suitable for use as control antibody for MAGOH siRNA (h): sc-60978, MAGOH shRNA Plasmid (h): sc-60978-SH and MAGOH shRNA (h) Lentiviral Particles: sc-60978-V.

MAGOH (H-117) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

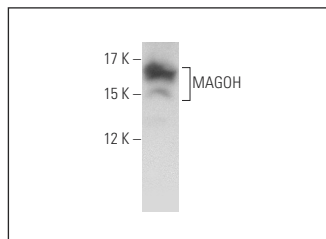
Molecular Weight of MAGOH: 17 kDa.

Positive Controls: PC-3 cell lysate: sc-2220.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-rabbit IgG-HRP: sc-2004 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible goat anti-rabbit IgG-HRP: sc-2030 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) Immunofluorescence: use goat anti-rabbit IgG-FITC: sc-2012 (dilution range: 1:100-1:400) or goat anti-rabbit IgG-TR: sc-2780 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

DATA



MAGOH (H-117): sc-99124. Western blot analysis of MAGOH expression in PC-3 whole cell lysate.

STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.



Try **MAGOH (21B12): sc-56724** or **MAGOH (F-6): sc-271365**, our highly recommended monoclonal alternatives to MAGOH (H-117).