

MX1 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP16234c**Specification**

MX1 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [P20591](#)**MX1 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 4599**Other Names**

Interferon-induced GTP-binding protein Mx1, Interferon-induced protein p78, IFI-78K, Interferon-regulated resistance GTP-binding protein MxA, Myxoma resistance protein 1, Myxovirus resistance protein 1, Interferon-induced GTP-binding protein Mx1, N-terminally processed, MX1

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

MX1 Antibody (Center) Blocking Peptide - Protein Information**Name** MX1**Function**

Interferon-induced dynamin-like GTPase with antiviral activity against a wide range of RNA viruses and some DNA viruses. Its target viruses include negative-stranded RNA viruses and HBV through binding and inactivation of their ribonucleocapsid. May also antagonize reoviridae and asfarviridae replication. Inhibits thogoto virus (THOV) replication by preventing the nuclear import of viral nucleocapsids. Inhibits La Crosse virus (LACV) replication by sequestering viral nucleoprotein in perinuclear complexes, preventing genome amplification, budding, and egress. Inhibits influenza A virus (IAV) replication by decreasing or delaying NP synthesis and by blocking endocytic traffic of incoming virus particles. Enhances ER stress-mediated cell death after influenza virus infection. May regulate the calcium channel activity of TRPCs.

Cellular Location

Cytoplasm. Endoplasmic reticulum membrane; Peripheral membrane protein; Cytoplasmic side. Cytoplasm, perinuclear region. Note=Binds preferentially to negatively charged phospholipids (PubMed:21900240). Colocalizes with CCHFV protein N in the perinuclear region (PubMed:15047845)

MX1 Antibody (Center) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

MX1 Antibody (Center) Blocking Peptide - Images

MX1 Antibody (Center) Blocking Peptide - Background

In mouse, the interferon-inducible Mx protein is responsible for a specific antiviral state against influenza virus infection. The protein encoded by this gene is similar to the mouse protein as determined by its antigenic relatedness, induction conditions, physicochemical properties, and amino acid analysis. This cytoplasmic protein is a member of both the dynamin family and the family of large GTPases. Two transcript variants encoding the same protein have been found for this gene.

MX1 Antibody (Center) Blocking Peptide - References

Silva, L.K., et al. Eur. J. Hum. Genet. 18(11):1221-1227(2010) van der Voort, L.F., et al. Neurology 75(14):1228-1233(2010) Ching, J.C., et al. J. Infect. Dis. 201(12):1899-1908(2010) Zhijian, Y., et al. Virol. J. 7, 278 (2010) : Johnatty, S.E., et al. PLoS Genet. 6 (7), E1001016 (2010) :