

**MX1 + MX2 antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP50883****Specification**

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**MX1 + MX2 antibody - Product Information**

|                   |                                      |
|-------------------|--------------------------------------|
| Application       | WB                                   |
| Primary Accession | <a href="#">P20591</a>               |
| Other Accession   | <a href="#">P20592</a>               |
| Reactivity        | Pig, Rat, Dog, Bovine                |
| Host              | Rabbit                               |
| Clonality         | Polyclonal                           |
| Calculated MW     | 73/79kD; [uniprot]76/82; [epi]72 KDa |

**MX1 + MX2 antibody - 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

**Dilution**WB~~ 1:1000**Format**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

**Storage**

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

**MX1 + MX2 antibody - 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

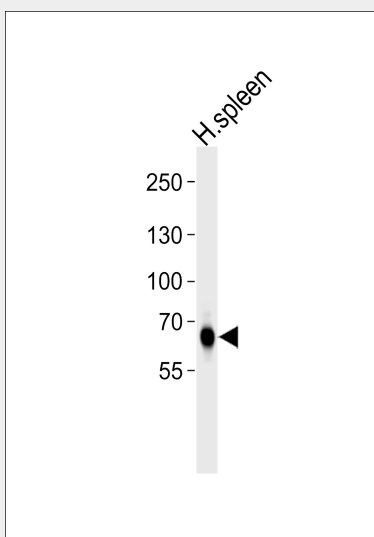
Cytoplasm. Endoplasmic reticulum membrane; Peripheral membrane protein; Cytoplasmic side. Cytoplasm, perinuclear region. Note= Binds preferentially to negatively charged phospholipids (PubMed:21900240). Colocalizes with CCHFV protein N in the perinuclear region (PubMed:15047845)

### MX1 + MX2 antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### MX1 + MX2 antibody - Images



Western blot analysis of lysate from human spleen tissue lysate, using MX1 + MX2 antibody (AP50883). AP50883 was diluted at 1:1000. A goat anti-rabbit IgG H&L (HRP) at 1:10000 dilution was used as the secondary antibody. Lysate at 20 µg.

### MX1 + MX2 antibody - Background

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**MX1 + MX2 antibody - References**

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Horisberger M.A.,et al.J. Virol. 64:1171-1181(1990).  
Tazi-Ahnini R.,et al.Hum. Genet. 106:639-645(2000).  
Ku C.C.,et al.Immunol. Cell Biol. 89:173-182(2011).  
Ota T.,et al.Nat. Genet. 36:40-45(2004).