



Rabbit Anti-Human MX1 Polyclonal Antibody (CABT-L2010)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Polyclonal Antibody to Myxovirus Resistance 1 (Knockout Validated)
Specificity	The antibody is a rabbit polyclonal antibody raised against MX1. It has been selected for its ability to recognize MX1 in immunohistochemical staining and western blotting.
Target	MX1
Immunogen	Recombinant fragment corresponding to human MX1 (Ser80~Leu342)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse
Purification	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
Conjugate	Unconjugated
Applications	WB
Format	Liquid
Concentration	Lot specific
Size	200 µg
Buffer	Supplied as solution form in 0.01M PBS with 50% glycerol, pH7.4.
Preservative	0.05% Proclin-300

Storage	Avoid repeated freeze/thaw cycles. Store at 4°C for frequent use. Aliquot and store at -20°C for 12 months.
Ship	4°C with ice bags

BACKGROUND

Introduction	This gene encodes a guanosine triphosphate (GTP)-metabolizing protein that participates in the cellular antiviral response. The encoded protein is induced by type I and type II interferons and antagonizes the replication process of several different RNA and DNA viruses. There is a related gene located adjacent to this gene on chromosome 21, and there are multiple pseudogenes located in a cluster on chromosome 4. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2013]
Keywords	IFI-78K;IFI78;MX;MxA;Interferon-Inducible Protein p78;Interferon-regulated resistance GTP-binding protein MxA

GENE INFORMATION

Gene Name	MX1 MX dynamin-like GTPase 1 [Homo sapiens (human)]
Official Symbol	MX1
Synonyms	MX1; MX dynamin-like GTPase 1; MX; MxA; IFI78; IFI-78K; interferon-induced GTP-binding protein Mx1; myxoma resistance protein 1; interferon-induced protein p78; interferon-inducible protein p78; interferon-regulated resistance GTP-binding protein MxA; myxovirus (influenza virus) resistance 1, interferon-inducible protein p78;
Entrez Gene ID	4599
Protein Refseq	NP_001138397
UniProt ID	P20591
Chromosome Location	21q22.3
Pathway	Antiviral mechanism by IFN-stimulated genes; Cytokine Signaling in Immune system; ISG15 antiviral mechanism; Immune System; Influenza A; Interferon Signaling; Interferon alpha/beta signaling; Measles;
Function	GTP binding; GTPase activity; protein binding;