

For Research Use Only

MX2 Polyclonal antibody

Catalog Number: 13278-1-AP

4 Publications



Basic Information

Catalog Number:

13278-1-AP

Size:

150ul, Concentration: 500 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4020

GenBank Accession Number:

BC035293

GeneID (NCBI):

4600

UNIPROT ID:

P20592

Full Name:

myxovirus (influenza virus) resistance 2 (mouse)

Calculated MW:

715 aa, 82 kDa

Observed MW:

70-82 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:6000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB

Species Specificity:

human

Cited Species:

human

Positive Controls:

WB : THP-1 cells, IFN beta treated THP-1 cells

IHC : human stomach tissue,

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

Myxovirus resistance 2 (MX2, also known as MxB) is a member of both the dynamin family and the family of large GTPases. MX2 is an interferon-stimulated gene that inhibits the nuclear import of HIV-1 and interacts with the viral capsid and cellular nuclear transport machinery. MX2 mediates the effects of IFN signaling in a cell type and context-dependent manner that can influence cells sensitivity to MAPK pathway targeted therapies. MX2 is also associated with the tumorigenesis process in melanoma(PMID: 33734579).

Notable Publications

Author	Pubmed ID	Journal	Application
Nathan Meade	30078703	Cell	WB
Nathan Meade	31118254	J Virol	WB
Nathan Meade	38036506	Nat Commun	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

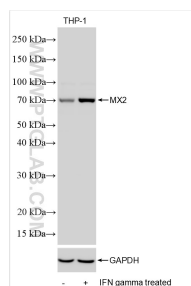
For technical support and original validation data for this product please contact:

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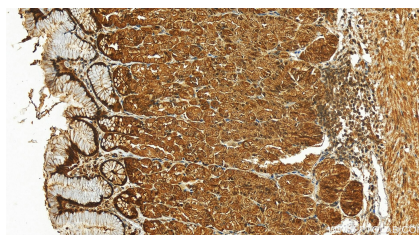
E: proteintech@ptglab.com
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Selected Validation Data



Untreated and IFN beta treated THP-1 cell lysates were subjected to SDS PAGE followed by western blot with 13278-1-AP (MX2 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human stomach tissue slide using 13278-1-AP (MX2 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).