

For Research Use Only

MX1 Recombinant antibody, PBS Only



Catalog Number: 82677-1-PBS

Basic Information

Catalog Number: 82677-1-PBS	GenBank Accession Number: BC032602	Purification Method: Protein A purification
Size: 100ug , Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 4599	CloneNo.: 2L19
Source: Rabbit	UNIPROT ID: P20591	
Isotype: IgG	Full Name: Myxovirus resistance protein 1	
Immunogen Catalog Number: AG4692	Calculated MW: 662 aa, 76 kDa	
	Observed MW: 75 kDa	

Applications

Tested Applications:
WB, IHC, Indirect ELISA

Species Specificity:
Human

Background Information

Mx1 (also known as MxA) is a GTPase that belongs to the Mx family of proteins, which are ubiquitous in eukaryotes and involved in the immune response to viral infections. The human Mx1 is localized in the cytoplasm interfering with the translation of viral proteins, whereas the mouse Mx1 accumulates in the nucleus and inhibits the primary transcription of viral RNA. Mx1 expression is induced by treatment with α/β IFN.

Storage

Storage:
Store at -80°C.

Storage Buffer:
PBS Only

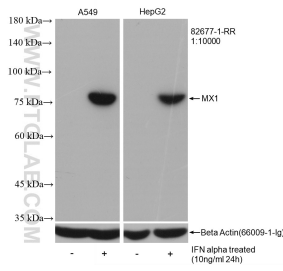
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

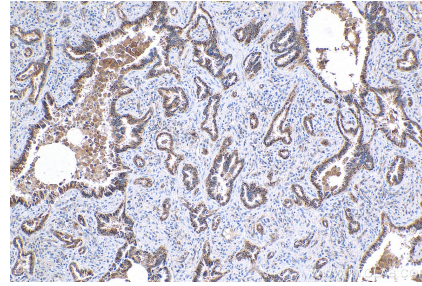
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

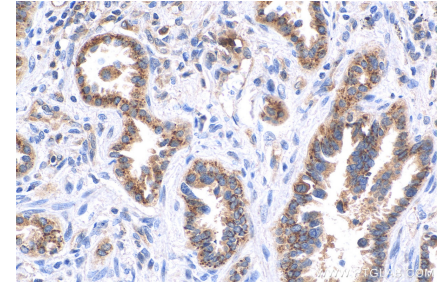
Selected Validation Data



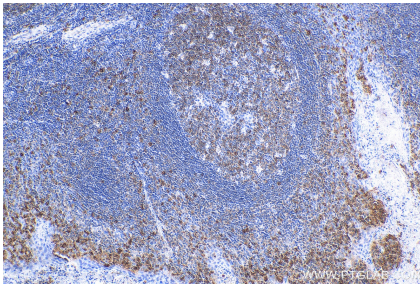
Untreated and IFN alpha treated A549 cells, untreated and IFN alpha treated HepG2 cells were subjected to SDS PAGE followed by western blot with 82677-1-RR (MX1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 82677-1-PBS in a different storage buffer formulation.



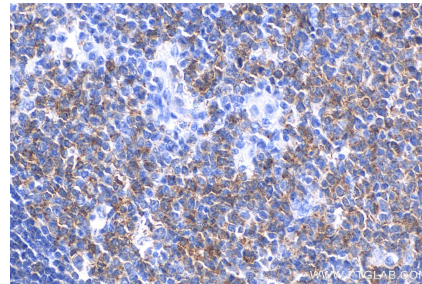
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 82677-1-RR (MX1 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 82677-1-PBS in a different storage buffer formulation.



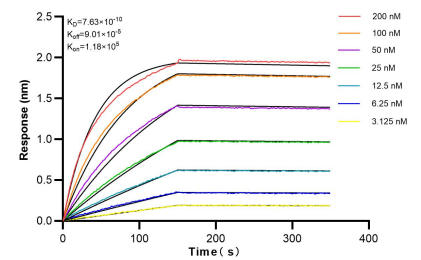
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 82677-1-RR (MX1 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 82677-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 82677-1-RR (MX1 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 82677-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 82677-1-RR (MX1 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 82677-1-PBS in a different storage buffer formulation.



Bi-layer interferometry (BLI) kinetic assays of 82677-1-RR against Human MX1 were performed. The affinity constant is 0.763 nM.