

For Research Use Only

# IFIH1/MDA5 Monoclonal antibody, PBS Only

Catalog Number: 66770-1-PBS



## Basic Information

Catalog Number: 66770-1-PBS	GenBank Accession Number: BC111750	Purification Method: Protein G purification
Concentration: 1mg/ml	GeneID (NCBI): 64135	CloneNo.: 3D8B11
Source: Mouse	UNIPROT ID: Q9BYX4	
Isotype: IgG1	Full Name: interferon induced with helicase C domain 1	
Immunogen Catalog Number: AG17448	Calculated MW: 1025 aa, 117 kDa	
	Observed MW: 117-125 kDa	

## Applications

Tested Applications:  
WB, IHC, ELISA

Species Specificity:  
Human

## Background Information

IFIH1 (Interferon-induced helicase C domain-containing protein 1) is a putative RNA helicase that is upregulated in response to treatment with IFNB or IFNB and MEZ. It is also named as MDA5 and RH116. Ectopic expression of MDA5 in melanoma cells resulted in reduced colony formation, suggesting an interaction of the CARD and apoptotic signal molecules. Functional analysis indicated that MDA5 is an RNA-dependent ATPase. IFIH1 has an apparent molecular mass of 117-130 kDa, and always other bands (70 kDa and 90 kDa) can be detected as cleaved products (PMID: 17267501).

## Storage

Storage:  
Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:  
PBS only

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

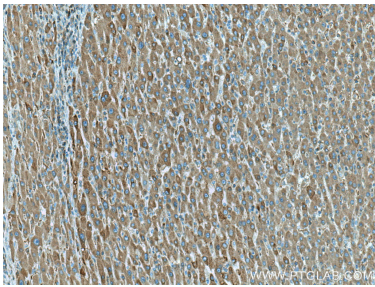
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

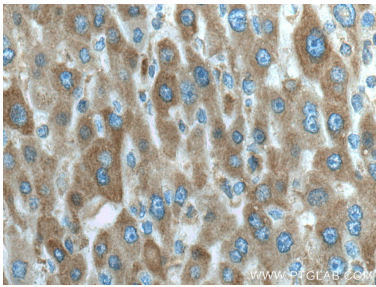
W: [ptgcn.com](http://ptgcn.com)

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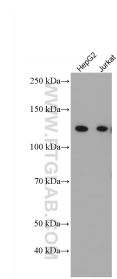
Selected Validation Data



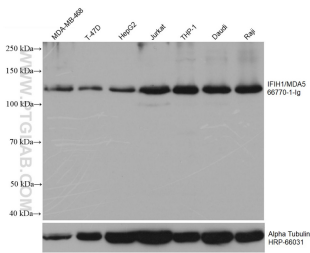
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66770-1-Ig (IFIH1/MDA5 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66770-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66770-1-Ig (IFIH1/MDA5 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66770-1-PBS in a different storage buffer formulation.



Various lysates were subjected to SDS PAGE followed by western blot with 66770-1-Ig (IFIH1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66770-1-PBS in a different storage buffer formulation.



Various lysates were subjected to SDS PAGE followed by western blot with 66770-1-Ig (IFIH1/MDA5 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Alpha Tubulin Monoclonal antibody (HRP-66031) as loading control. This data was developed using the same antibody clone with 66770-1-PBS in a different storage buffer formulation.