

For Research Use Only

# IFIH1-Specific Polyclonal antibody

Catalog Number: 16879-1-AP



## Basic Information

<b>Catalog Number:</b> 16879-1-AP	<b>GenBank Accession Number:</b> NM_022168	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 260 ug/ml by Nanodrop and 213 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 64135	<b>Recommended Dilutions:</b> WB 1:1000-1:4000 IHC 1:200-1:800
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9BYX4	
<b>Isotype:</b> IgG	<b>Full Name:</b> interferon induced with helicase C domain 1	
	<b>Calculated MW:</b> 117 kDa	
	<b>Observed MW:</b> 70 kDa, 90 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human	<b>WB :</b> HeLa cells, Jurkat cells
<b>Note-IHC:</b> suggested antigen retrieval with <b>TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	<b>IHC :</b> human ovary cancer tissue,

## Background Information

IFIH1 (Interferon-induced helicase C domain-containing protein 1) is a putative RNA helicase that is upregulated in response to treatment with IFN $\alpha$  or IFN $\beta$  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). This antibody is specific to IFIH1.

## Storage

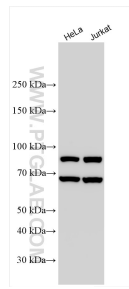
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

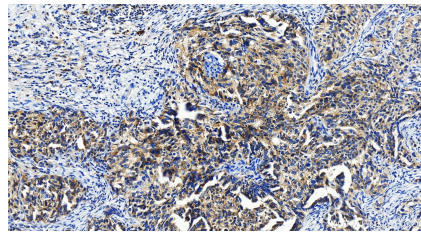
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 16879-1-AP (IFIH1-Specific antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 16879-1-AP (IFIH1-Specific antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).