IFIH1-Specific Polyclonal antibody

Catalog Number:16879-1-AP

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Basic Information

Catalog Number:
16879-1-AP

Size:
260 ug/ml

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
NM_022168

GeneID (NCBI):
64135

UNIPROT ID:
Q9BYX4

Full Name:
interferon induced with helicase C domain 1

Calculated MW:
117 kDa

Observed MW:
70 kDa, 90 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:1000-1:4000
IHC 1:200-1:800

Applications

Tested Applications:
WB, IHC, ELISA

Species Specificity:
human

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

Positive Controls:

WB : HeLa cells, Jurkat cells

IHC : 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 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). This antibody is specific to IFIH1.
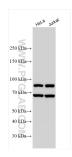
Storage

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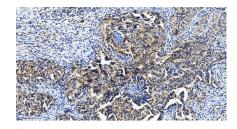Store at -20℃. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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).