

# Product Datasheet

## IFIT1 Antibody (OTI3G8) NBP2-02340

Unit Size: 0.1 ml

Store at -20C. Avoid freeze-thaw cycles.

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**NBP2-02340****IFIT1 Antibody (OTI3G8)**

<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	OTI3G8
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG1
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	PBS (pH 7.3), 1.0% BSA and 50% Glycerol
<b>Target Molecular Weight</b>	55.2 kDa

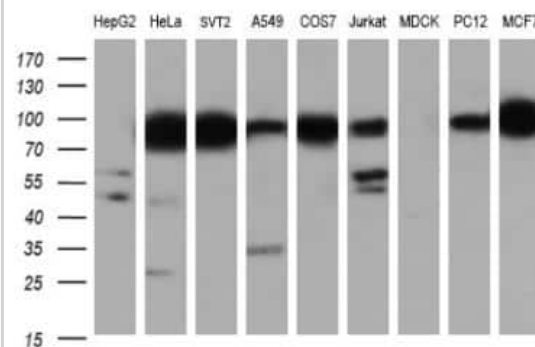
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Mouse IFIT1 Antibody (OTI3G8) (NBP2-02340) is a monoclonal antibody validated for use in IHC, WB, Flow and ICC/IF. Anti-IFIT1 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	3434
<b>Gene Symbol</b>	IFIT1
<b>Species</b>	Human, Mouse, Rat, Monkey
<b>Reactivity Notes</b>	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.
<b>Immunogen</b>	Full length human recombinant protein of human IFIT1 (NP_000899) produced in HEK293T cell.

<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 1:500-1000, Flow Cytometry 1:100, Immunohistochemistry 1:50, Immunocytochemistry/ Immunofluorescence 1:50-100, Immunohistochemistry-Paraffin 1:50
<b>Application Notes</b>	For IHC-P, we recommend using Tris/EDTA pH 8.0 heat induced epitope retrieval.

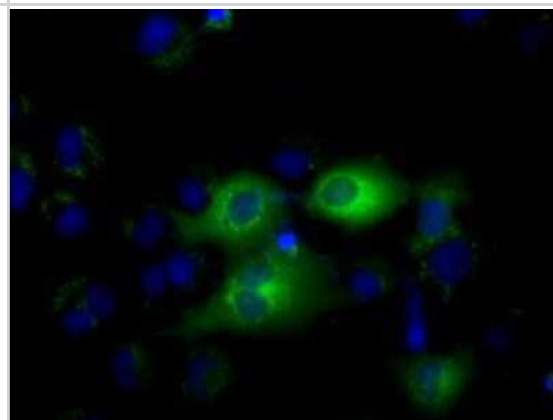


## Images

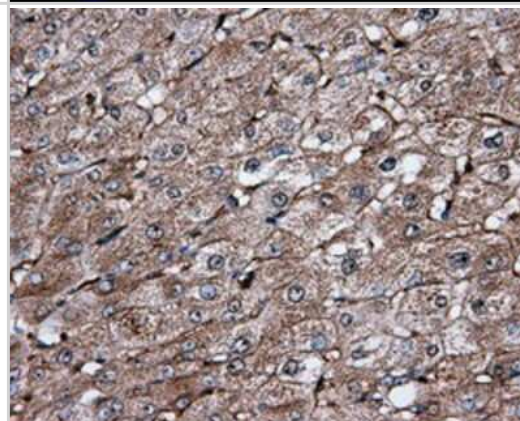
Western Blot: IFIT1 Antibody (OTI3G8) [NBP2-02340] - Analysis of extracts (35ug) from 9 different cell lines by using anti-IFIT1 monoclonal antibody.



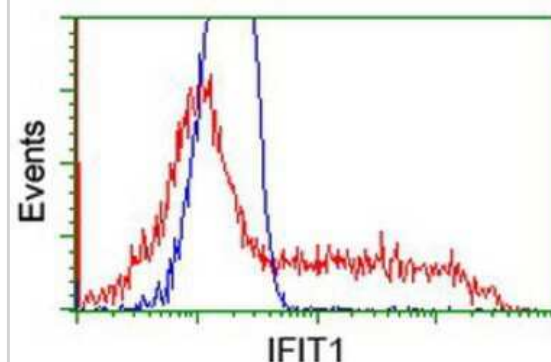
Immunocytochemistry/Immunofluorescence: IFIT1 Antibody (OTI3G8) [NBP2-02340] - Staining of COS7 cells transiently transfected by pCMV6-ENTRY IFIT1.



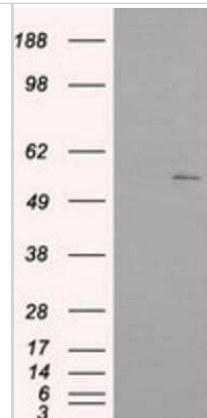
Immunohistochemistry-Paraffin: IFIT1 Antibody (OTI3G8) [NBP2-02340] - Staining of paraffin-embedded Human liver tissue using anti-IFIT1 mouse monoclonal antibody.



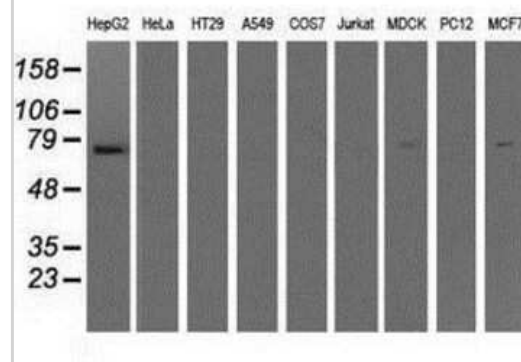
Flow Cytometry: IFIT1 Antibody (OTI3G8) [NBP2-02340] - HEK293T cells transfected with either overexpression plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-IFIT1 antibody, and then analyzed by flow cytometry.



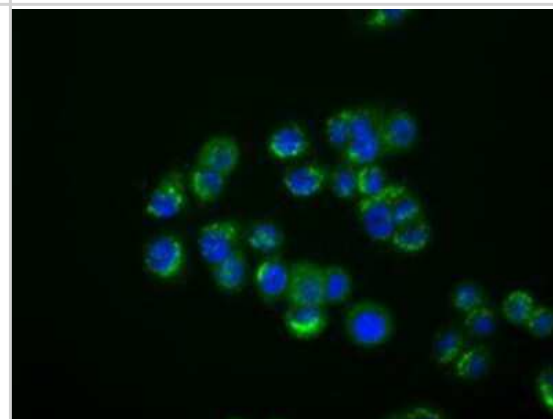
Western Blot: IFIT1 Antibody (OTI3G8) [NBP2-02340] - HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY IFIT1 (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-IFIT1.



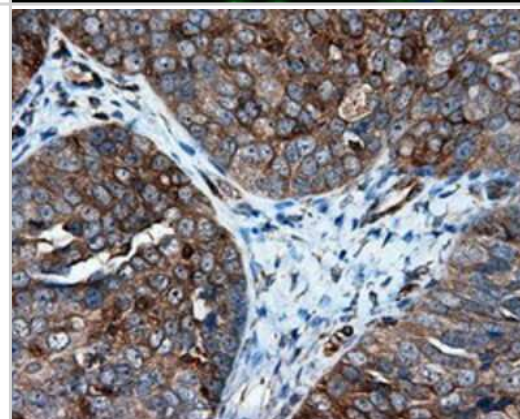
Western Blot: IFIT1 Antibody (OTI3G8) [NBP2-02340] - Analysis of extracts (35ug) from 9 different cell lines by using anti-IFIT1 monoclonal antibody.



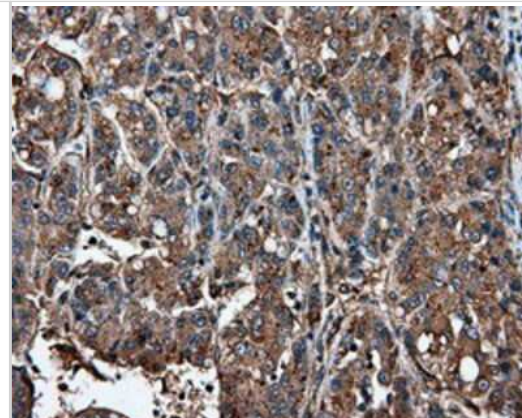
Immunocytochemistry/Immunofluorescence: IFIT1 Antibody (OTI3G8) [NBP2-02340] - Immunofluorescent staining of HT29 cells using anti-IFIT1 mouse monoclonal antibody.



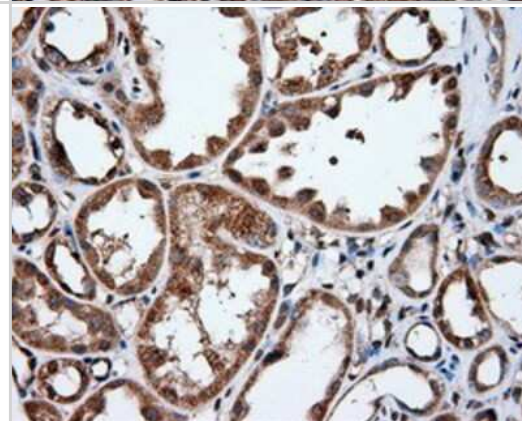
Immunohistochemistry-Paraffin: IFIT1 Antibody (OTI3G8) [NBP2-02340] - Staining of paraffin-embedded Adenocarcinoma of Human ovary tissue using anti-IFIT1 mouse monoclonal antibody.



Immunohistochemistry-Paraffin: IFIT1 Antibody (OTI3G8) [NBP2-02340]  
- Staining of paraffin-embedded Carcinoma of Human liver tissue using anti-IFIT1 mouse monoclonal antibody.



Immunohistochemistry-Paraffin: IFIT1 Antibody (OTI3G8) [NBP2-02340]  
- Staining of paraffin-embedded Human Kidney tissue using anti-IFIT1 mouse monoclonal antibody.



## Publications

Johnson MB, Furr KH, Suptela SR et al. Induction of protective interferon- $\gamma$  responses in murine osteoblasts following *Staphylococcus aureus* infection *Frontiers in microbiology* 2022-12-02 [PMID: 36532419] (WB, Mouse)



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### **Products Related to NBP2-02340**

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP2-33751PEP	IFIT1 Recombinant Protein Antigen

### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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