

# Product Datasheet

## IFIT1 Antibody (OTI3G8) - Azide and BSA Free NBP2-71005

Unit Size: 100 ug

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

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Updated 9/9/2025 v.20.1

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**NBP2-71005**

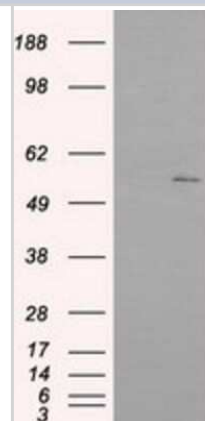
IFIT1 Antibody (OTI3G8) - Azide and BSA Free

| Product Information         |                                                                                                                                                                                                                                                                                                                                                 |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Unit Size                   | 100 ug                                                                                                                                                                                                                                                                                                                                          |
| Concentration               | LYOPH mg/ml                                                                                                                                                                                                                                                                                                                                     |
| Storage                     | Store at -20C. Avoid freeze-thaw cycles.                                                                                                                                                                                                                                                                                                        |
| Clonality                   | Monoclonal                                                                                                                                                                                                                                                                                                                                      |
| Clone                       | OTI3G8                                                                                                                                                                                                                                                                                                                                          |
| Preservative                | No Preservative                                                                                                                                                                                                                                                                                                                                 |
| Reconstitution Instructions | we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process.                                                                                                                |
| Isotype                     | IgG1                                                                                                                                                                                                                                                                                                                                            |
| Purity                      | Immunogen affinity purified                                                                                                                                                                                                                                                                                                                     |
| Buffer                      | Lyophilized from PBS (pH 7.3) with 8% Trehalose                                                                                                                                                                                                                                                                                                 |
| Target Molecular Weight     | 55.2 kDa                                                                                                                                                                                                                                                                                                                                        |
| Product Description         |                                                                                                                                                                                                                                                                                                                                                 |
| Description                 | Novus Biologicals Mouse IFIT1 Antibody (OTI3G8) - Azide and BSA Free (NBP2-02340) is a monoclonal antibody validated for use in IHC, WB, Flow and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.                                                                                                                   |
| Host                        | Mouse                                                                                                                                                                                                                                                                                                                                           |
| Gene ID                     | 3434                                                                                                                                                                                                                                                                                                                                            |
| Gene Symbol                 | IFIT1                                                                                                                                                                                                                                                                                                                                           |
| Species                     | Human, Mouse, Rat, Monkey                                                                                                                                                                                                                                                                                                                       |
| Reactivity Notes            | 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. |
| Immunogen                   | Full length human recombinant protein of human IFIT1 (NP_000899) produced in HEK293T cell.                                                                                                                                                                                                                                                      |
| Product Application Details |                                                                                                                                                                                                                                                                                                                                                 |
| Applications                | Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, CyTOF-ready                                                                                                                                                                                                         |
| Recommended Dilutions       | Western Blot 1:500-1000, Flow Cytometry 1:100, Immunohistochemistry 1:50, Immunocytochemistry/ Immunofluorescence 1:50-100, Immunohistochemistry-Paraffin, CyTOF-ready                                                                                                                                                                          |

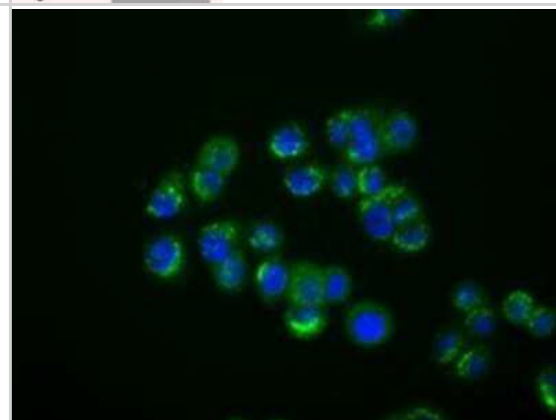


## Images

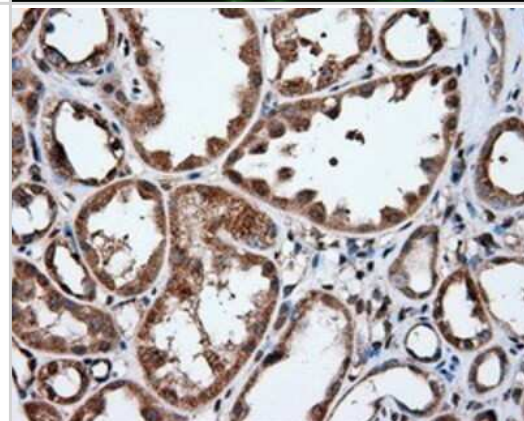
Western Blot: IFIT1 Antibody (OTI3G8) - Azide and BSA Free [NBP2-71005] - HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY IFIT1 (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-IFIT1.



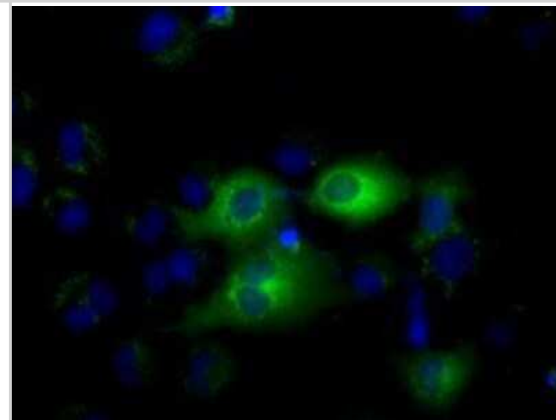
Immunocytochemistry/Immunofluorescence: IFIT1 Antibody (OTI3G8) - Azide and BSA Free [NBP2-71005] - Staining of HT29 cells using anti-IFIT1 mouse monoclonal antibody.



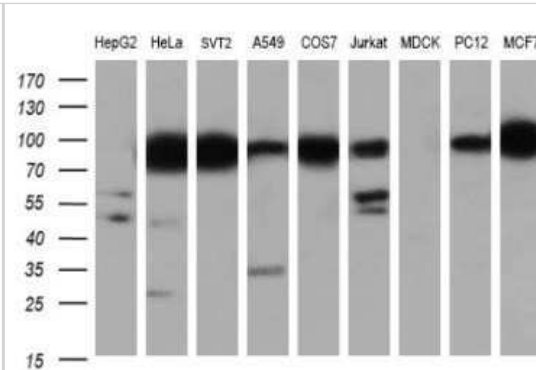
Immunohistochemistry: IFIT1 Antibody (OTI3G8) - Azide and BSA Free [NBP2-71005] - Staining of paraffin-embedded Human Kidney tissue using anti-IFIT1 mouse monoclonal antibody.



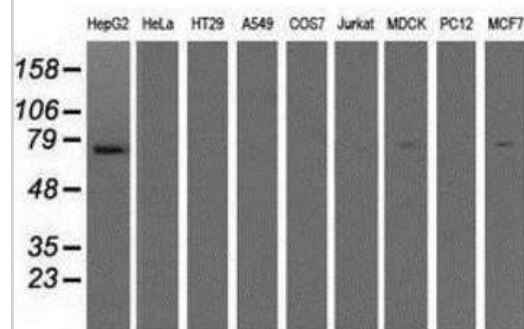
Flow Cytometry: IFIT1 Antibody (OTI3G8) - Azide and BSA Free [NBP2-71005] - Staining of COS7 cells transiently transfected by pCMV6-ENTRY IFIT1.



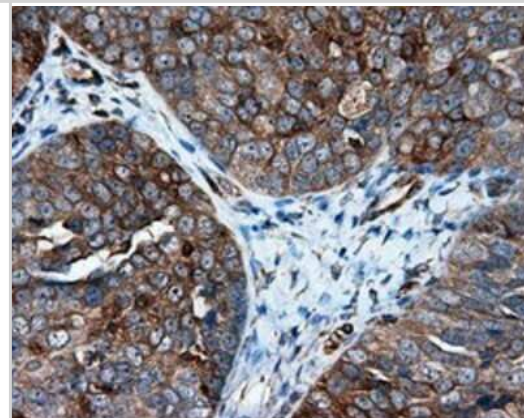
Western Blot: IFIT1 Antibody (OTI3G8) - Azide and BSA Free [NBP2-71005] - Analysis of extracts (35ug) from 9 different cell lines by using anti-IFIT1 monoclonal antibody.



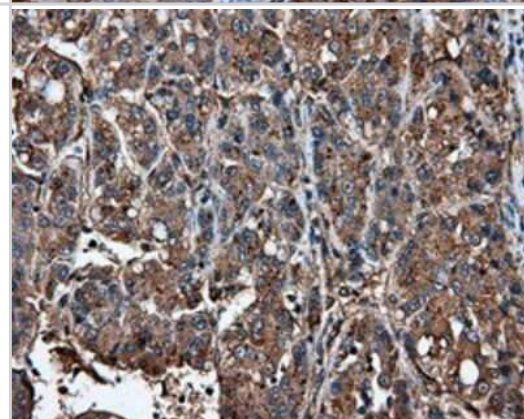
Western Blot: IFIT1 Antibody (OTI3G8) - Azide and BSA Free [NBP2-71005] - Analysis of extracts (35ug) from 9 different cell lines by using anti-IFIT1 monoclonal antibody.



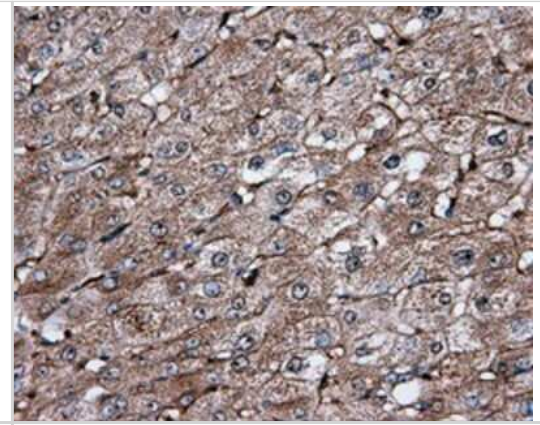
Immunohistochemistry: IFIT1 Antibody (OTI3G8) - Azide and BSA Free [NBP2-71005] - Staining of paraffin-embedded Adenocarcinoma of Human ovary tissue using anti-IFIT1 mouse monoclonal antibody.



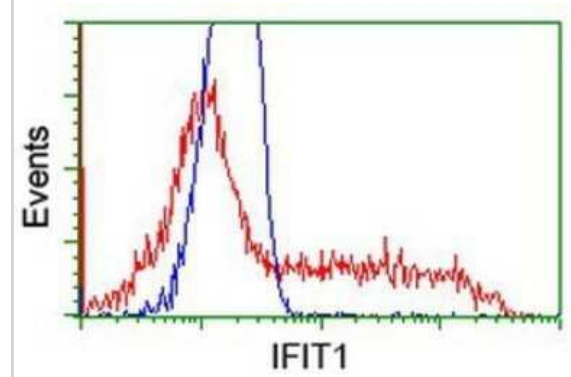
Immunohistochemistry: IFIT1 Antibody (OTI3G8) - Azide and BSA Free [NBP2-71005] - Staining of paraffin-embedded Carcinoma of Human liver tissue using anti-IFIT1 mouse monoclonal antibody.



Immunohistochemistry: IFIT1 Antibody (OTI3G8) - Azide and BSA Free [NBP2-71005] - Staining of paraffin-embedded Human liver tissue using anti-IFIT1 mouse monoclonal antibody.



Flow Cytometry: IFIT1 Antibody (OTI3G8) - Azide and BSA Free [NBP2-71005] - HEK293T cells transfected with either overexpression plasmid (Red) or empty vector control plasmid (Blue) were immunostaining by anti-IFIT1 antibody, and then analyzed by flow cytometry.





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### **Products Related to NBP2-71005**

|                  |                                                         |
|------------------|---------------------------------------------------------|
| 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)                        |
| NBP3-17870PEP    | 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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