

# Product Datasheet

## GBP2 Antibody (OTI5C8)

### NBP1-47768

Unit Size: 0.1 ml

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

[www.novusbio.com](http://www.novusbio.com)



[technical@novusbio.com](mailto:technical@novusbio.com)

#### Publications: 3

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NBP1-47768](http://www.novusbio.com/NBP1-47768)

Updated 10/23/2024 v.20.1

### Earn rewards for product reviews and publications.

Submit a publication at [www.novusbio.com/publications](http://www.novusbio.com/publications)

Submit a review at [www.novusbio.com/reviews/destination/NBP1-47768](http://www.novusbio.com/reviews/destination/NBP1-47768)



**NBP1-47768**

GBP2 Antibody (OTI5C8)

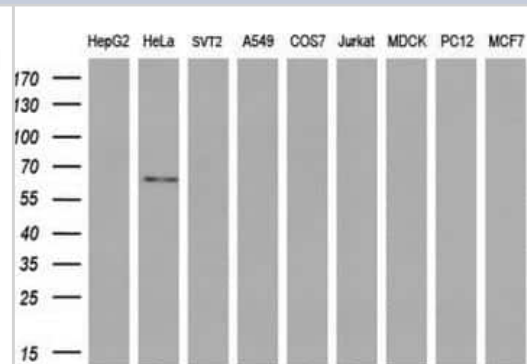
Product Information	
Unit Size	0.1 ml
Concentration	1.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	OTI5C8
Preservative	0.02% Sodium Azide
Isotype	IgG2b
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.3), 1.0% BSA and 50% Glycerol
Target Molecular Weight	67 kDa

Product Description	
Host	Mouse
Gene ID	2634
Gene Symbol	GBP2
Species	Human
Immunogen	Full length human recombinant protein of human GBP2 (NP_004111) produced in HEK293T cell.

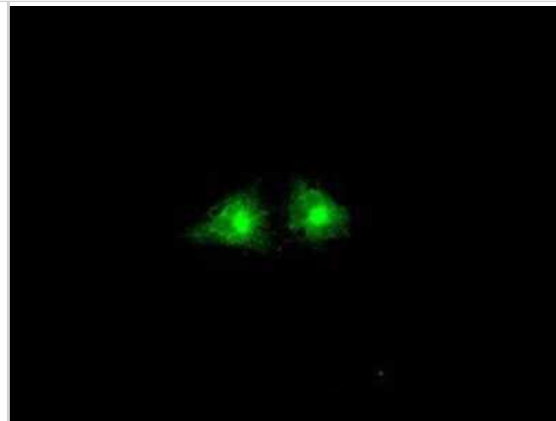
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:2000, Flow Cytometry 1:100, Immunohistochemistry 1:50, Immunocytochemistry/ Immunofluorescence 1:100, Immunohistochemistry-Paraffin 1:50

**Images**

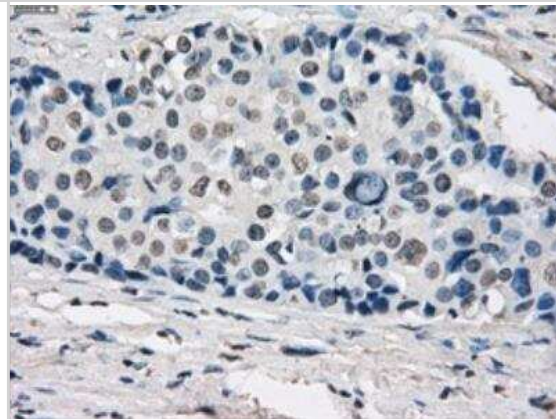
Western Blot: GBP2 Antibody (OTI5C8) [NBP1-47768] - Analysis of extracts (35ug) from 9 different cell lines by using anti-GBP2 monoclonal antibody (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human).(1:200)



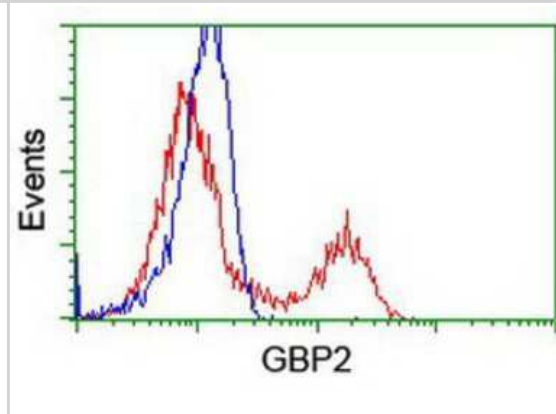
Immunocytochemistry/Immunofluorescence: GBP2 Antibody (OTI5C8) [NBP1-47768] - Staining of COS7 cells transiently transfected by pCMV6-ENTRY GBP2.



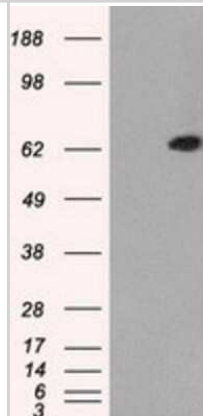
Immunohistochemistry-Paraffin: GBP2 Antibody (OTI5C8) [NBP1-47768] - Staining of paraffin-embedded Human colon tissue within the normal limits using anti-GBP2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100C for 10min)



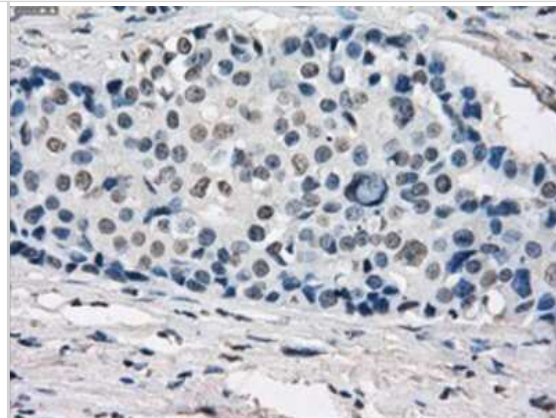
Flow Cytometry: GBP2 Antibody (OTI5C8) [NBP1-47768] - HEK293T cells transfected with either overexpression plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-GBP2 antibody, and then analyzed by flow cytometry.



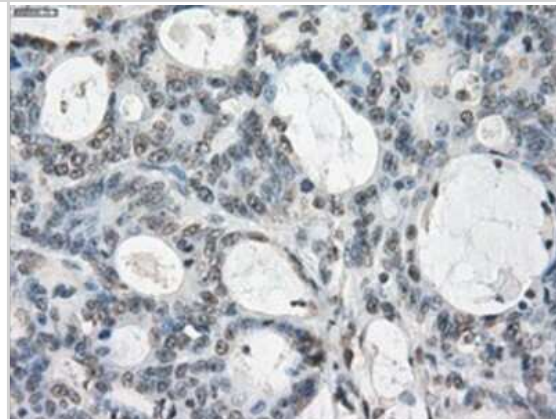
Western Blot: GBP2 Antibody (OTI5C8) [NBP1-47768] - HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY GBP2 (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-GBP2.



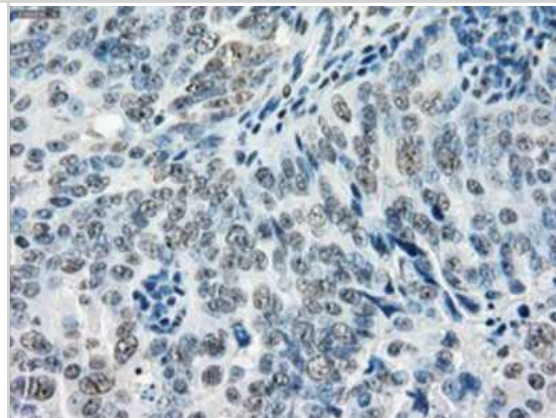
Immunohistochemistry-Paraffin: GBP2 Antibody (OTI5C8) [NBP1-47768]  
- Staining of paraffin-embedded Adenocarcinoma of Human breast tissue using anti-GBP2 mouse monoclonal antibody.



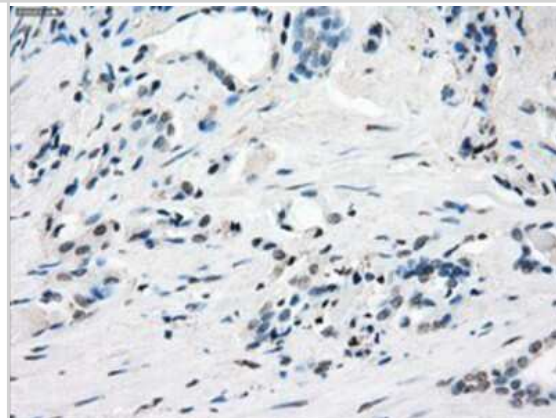
Immunohistochemistry-Paraffin: GBP2 Antibody (OTI5C8) [NBP1-47768]  
- Staining of paraffin-embedded Adenocarcinoma of Human colon tissue using anti-GBP2 mouse monoclonal antibody.



Immunohistochemistry-Paraffin: GBP2 Antibody (OTI5C8) [NBP1-47768]  
- Staining of paraffin-embedded Adenocarcinoma of Human ovary tissue using anti-GBP2 mouse monoclonal antibody.



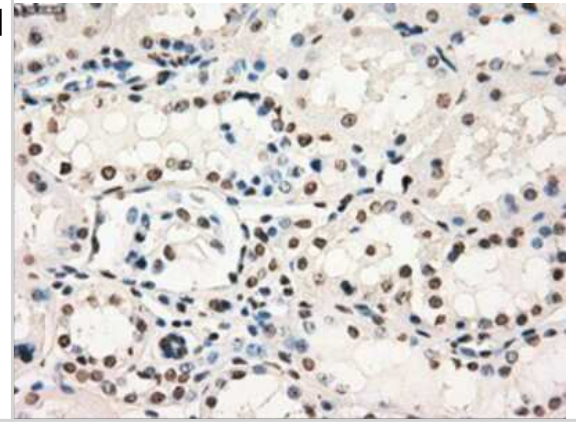
Immunohistochemistry-Paraffin: GBP2 Antibody (OTI5C8) [NBP1-47768]  
- Staining of paraffin-embedded Carcinoma of Human prostate tissue using anti-GBP2 mouse monoclonal antibody.



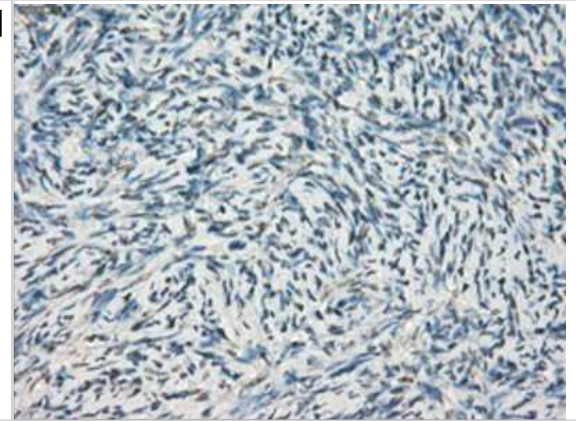
Immunohistochemistry-Paraffin: GBP2 Antibody (OTI5C8) [NBP1-47768]  
- Staining of paraffin-embedded Human colon tissue using anti-GBP2 mouse monoclonal antibody.



Immunohistochemistry-Paraffin: GBP2 Antibody (OTI5C8) [NBP1-47768]  
- Staining of paraffin-embedded Human Kidney tissue using anti-GBP2 mouse monoclonal antibody.



Immunohistochemistry-Paraffin: GBP2 Antibody (OTI5C8) [NBP1-47768]  
- Staining of paraffin-embedded Human Ovary tissue using anti-GBP2 mouse monoclonal antibody.



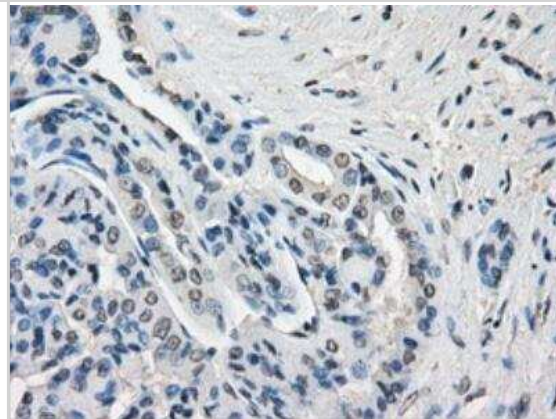
Immunohistochemistry-Paraffin: GBP2 Antibody (OTI5C8) [NBP1-47768]  
- Staining of paraffin-embedded Human prostate tissue using anti-GBP2 mouse monoclonal antibody.



Immunohistochemistry-Paraffin: GBP2 Antibody (OTI5C8) [NBP1-47768]  
- Staining of paraffin-embedded Human thyroid tissue using anti-GBP2 mouse monoclonal antibody.



Immunohistochemistry: GBP2 Antibody (OTI5C8) [NBP1-47768] -  
Staining of paraffin-embedded Carcinoma of Human kidney tissue using anti-GBP2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100C for 10min)



## Publications

Wandel MP, Kim BH, Park ES et al. Guanylate-binding proteins convert cytosolic bacteria into caspase-4 signaling platforms Nat. Immunol. 2020-06-15 [PMID: 32541830] (WB)

Hall JC, Baer AN, Shah AA et al. Molecular subsetting of interferon pathways in Sjogren's syndrome. Arthritis & rheumatology. 2015-05-18 [PMID: 25988820] (IHC-P, WB, Human)

Hall JC, Casciola-Rosen L, Berger AE et al. Precise probes of type II interferon activity define the origin of interferon signatures in target tissues in rheumatic diseases Proc Natl Acad Sci 2012-10-23 [PMID: 23045702] (WB, IF/IHC, Human)



### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to NBP1-47768**

---

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP2-27231	Mouse IgG2b Isotype Control (MPC-11)
H00002634-P01-10ug	Recombinant Human GBP2 GST (N-Term) Protein

---

### **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.

For more information on our 100% guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee)

Earn gift cards/discounts by submitting a review: [www.novusbio.com/reviews/submit/NBP1-47768](http://www.novusbio.com/reviews/submit/NBP1-47768)

Earn gift cards/discounts by submitting a publication using this product:  
[www.novusbio.com/publications](http://www.novusbio.com/publications)

