

# Product Datasheet

## Glutamine Synthetase Antibody (OTI1F4) - Azide and BSA Free NBP2-70834

Unit Size: 100 ug

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

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



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

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NBP2-70834](http://www.novusbio.com/NBP2-70834)

Updated 9/9/2025 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/NBP2-70834](http://www.novusbio.com/reviews/destination/NBP2-70834)



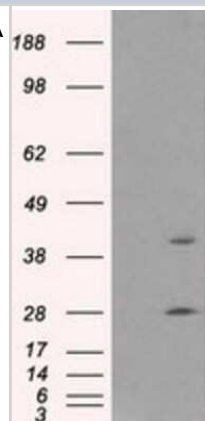
**NBP2-70834****Glutamine Synthetase Antibody (OTI1F4) - Azide and BSA Free**

| <b>Product Information</b>         |                                                                                                                                                                                                                                                                                                                                                 |
|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Unit Size</b>                   | 100 ug                                                                                                                                                                                                                                                                                                                                          |
| <b>Concentration</b>               | LYOPH mg/ml                                                                                                                                                                                                                                                                                                                                     |
| <b>Storage</b>                     | Store at -20C. Avoid freeze-thaw cycles.                                                                                                                                                                                                                                                                                                        |
| <b>Clonality</b>                   | Monoclonal                                                                                                                                                                                                                                                                                                                                      |
| <b>Clone</b>                       | OTI1F4                                                                                                                                                                                                                                                                                                                                          |
| <b>Preservative</b>                | No Preservative                                                                                                                                                                                                                                                                                                                                 |
| <b>Reconstitution Instructions</b> | 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.                                                                                                                |
| <b>Isotype</b>                     | IgG2a                                                                                                                                                                                                                                                                                                                                           |
| <b>Purity</b>                      | Immunogen affinity purified                                                                                                                                                                                                                                                                                                                     |
| <b>Buffer</b>                      | Lyophilized from PBS (pH 7.3) with 8% Trehalose                                                                                                                                                                                                                                                                                                 |
| <b>Target Molecular Weight</b>     | 41.9 kDa                                                                                                                                                                                                                                                                                                                                        |
| <b>Product Description</b>         |                                                                                                                                                                                                                                                                                                                                                 |
| <b>Description</b>                 | Novus Biologicals Mouse Glutamine Synthetase Antibody (OTI1F4) - Azide and BSA Free (NBP2-02125) is a monoclonal antibody validated for use in IHC, WB, Flow and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.                                                                                                    |
| <b>Host</b>                        | Mouse                                                                                                                                                                                                                                                                                                                                           |
| <b>Gene ID</b>                     | 2752                                                                                                                                                                                                                                                                                                                                            |
| <b>Gene Symbol</b>                 | GLUL                                                                                                                                                                                                                                                                                                                                            |
| <b>Species</b>                     | Human, Mouse, Rat                                                                                                                                                                                                                                                                                                                               |
| <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 GLUL (NP_002056) produced in HEK293T cell.                                                                                                                                                                                                                                                       |
| <b>Product Application Details</b> |                                                                                                                                                                                                                                                                                                                                                 |
| <b>Applications</b>                | Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, CyTOF-ready                                                                                                                                                                                                         |
| <b>Recommended Dilutions</b>       | Western Blot 1:1000-2000, Flow Cytometry 1:100, Immunohistochemistry 1:50, Immunocytochemistry/ Immunofluorescence 1:50-100, Immunohistochemistry-Paraffin, CyTOF-ready                                                                                                                                                                         |

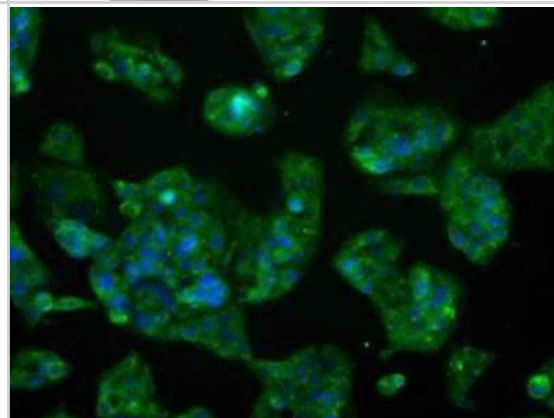


## Images

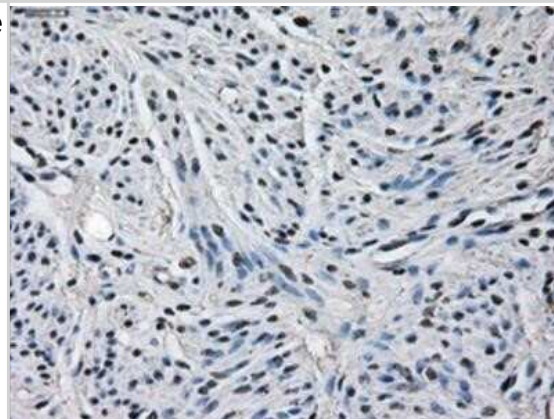
Western Blot: Glutamine Synthetase Antibody (OTI1F4) - Azide and BSA Free [NBP2-70834] - HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY Glutamine Synthetase (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-G



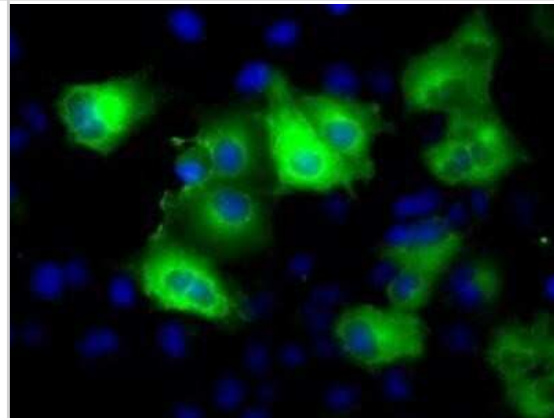
Immunocytochemistry/Immunofluorescence: Glutamine Synthetase Antibody (OTI1F4) - Azide and BSA Free [NBP2-70834] - Staining of HepG2 cells using anti-Glutamine Synthetase mouse monoclonal antibody.



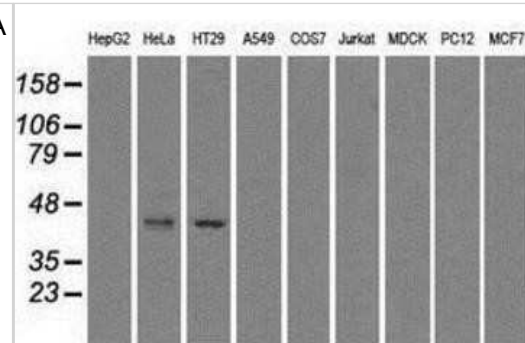
Immunohistochemistry: Glutamine Synthetase Antibody (OTI1F4) - Azide and BSA Free [NBP2-70834] - Staining of paraffin-embedded Human endometrium tissue using anti-Glutamine Synthetase mouse monoclonal antibody.



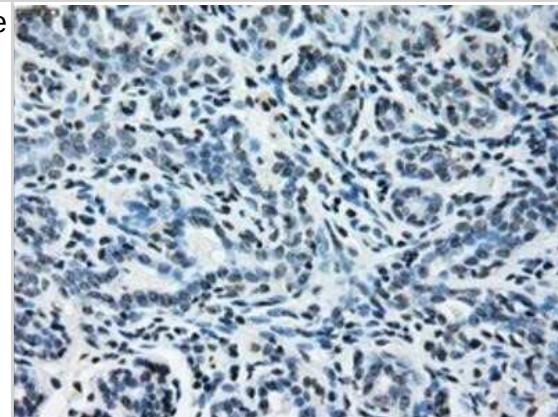
Flow Cytometry: Glutamine Synthetase Antibody (OTI1F4) - Azide and BSA Free [NBP2-70834] - Staining of COS7 cells transiently transfected by pCMV6-ENTRY Glutamine Synthetase.



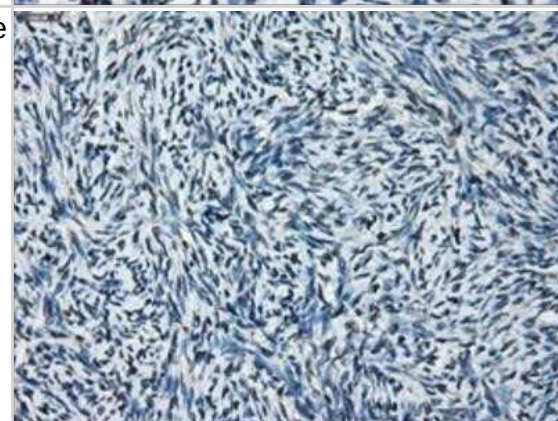
**Western Blot: Glutamine Synthetase Antibody (OTI1F4) - Azide and BSA Free [NBP2-70834]** - Analysis of extracts (35ug) from 9 different cell lines by using g anti-Glutamine Synthetase monoclonal antibody (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human).



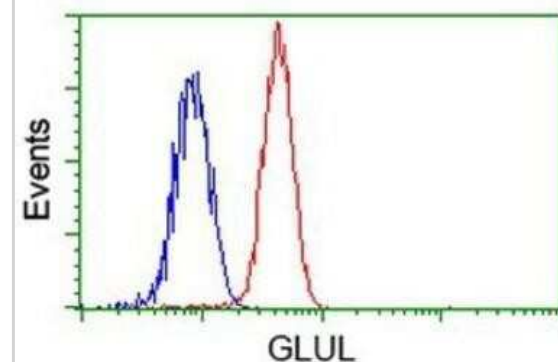
**Immunohistochemistry: Glutamine Synthetase Antibody (OTI1F4) - Azide and BSA Free [NBP2-70834]** - Staining of paraffin-embedded Human breast tissue using anti-Glutamine Synthetase mouse monoclonal antibody.



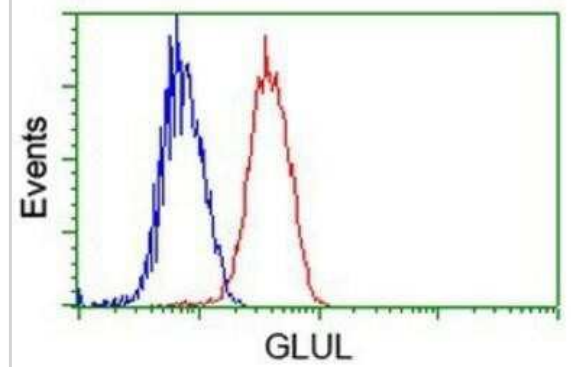
**Immunohistochemistry: Glutamine Synthetase Antibody (OTI1F4) - Azide and BSA Free [NBP2-70834]** - Staining of paraffin-embedded Human Ovary tissue using anti-Glutamine Synthetase mouse monoclonal antibody.



**Flow Cytometry: Glutamine Synthetase Antibody (OTI1F4) - Azide and BSA Free [NBP2-70834]** - Analysis of Hela cells, using anti-Glutamine Synthetase antibody, (Red), compared to a nonspecific negative control antibody (Blue).



Flow Cytometry: Glutamine Synthetase Antibody (OT11F4) - Azide and BSA Free [NBP2-70834] - Analysis of Jurkat cells, using anti-Glutamine Synthetase antibody, (Red), compared to a nonspecific negative control antibody (Blue).





### **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](http://www.novusbio.com)  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to NBP2-70834**

---

|                   |                                                         |
|-------------------|---------------------------------------------------------|
| HAF007            | Goat anti-Mouse IgG Secondary Antibody [HRP]            |
| NB720-B           | Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin] |
| NBP1-96778        | Mouse IgG2a Isotype Control (M2A)                       |
| NBP2-52376-0.02mg | Recombinant Human Glutamine Synthetase 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/NBP2-70834](http://www.novusbio.com/reviews/submit/NBP2-70834)

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

