

# Product Datasheet

## Glutamine Synthetase Antibody (OTI1F4) NBP2-02125

Unit Size: 0.1 ml

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

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**NBP2-02125****Glutamine Synthetase Antibody (OTI1F4)****Product Information**

<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>	OTI1F4
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG2a
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	PBS (pH 7.3), 1.0% BSA and 50% Glycerol
<b>Target Molecular Weight</b>	41.9 kDa

**Product Description**

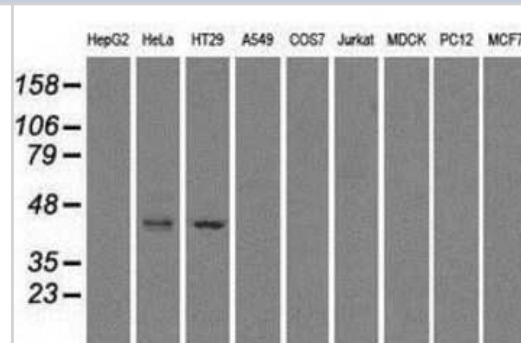
<b>Host</b>	Mouse
<b>Gene ID</b>	2752
<b>Gene Symbol</b>	GLUL
<b>Species</b>	Human, Mouse, Rat
<b>Reactivity Notes</b>	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background 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.

**Product Application Details**

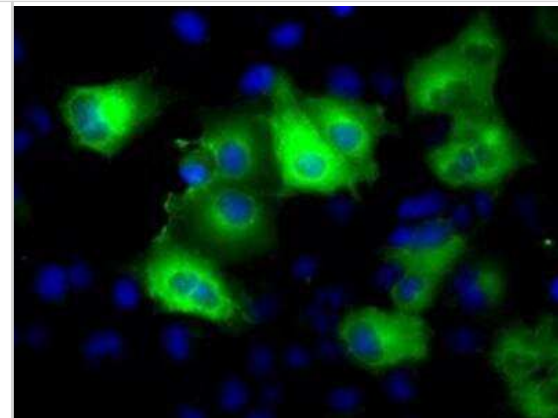
<b>Applications</b>	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 1:1000-2000, Flow Cytometry 1:100, Immunohistochemistry 1:50, Immunocytochemistry/ Immunofluorescence 1:50-100, Immunohistochemistry-Paraffin 1:50

**Images**

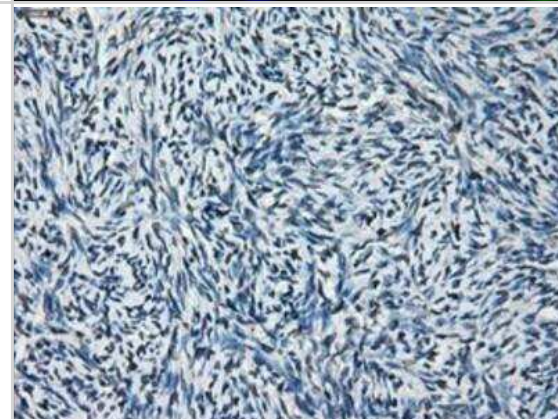
Western Blot: Glutamine Synthetase Antibody (1F4) [NBP2-02125]  
 Analysis of extracts (35ug) from 9 different cell lines by using anti-Glutamine Synthetase monoclonal antibody (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human).



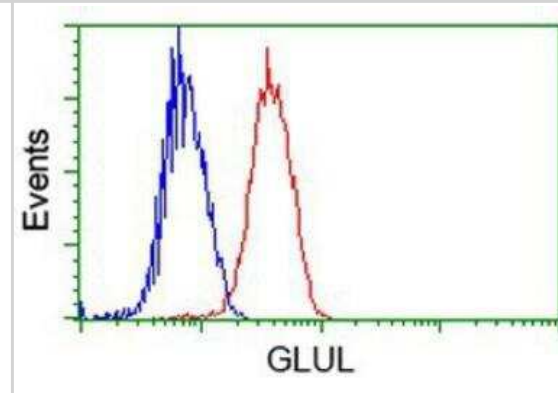
Immunocytochemistry/Immunofluorescence: Glutamine Synthetase Antibody (OT11F4) [NBP2-02125] - Staining of COS7 cells transiently transfected by pCMV6-ENTRY Glutamine Synthetase.



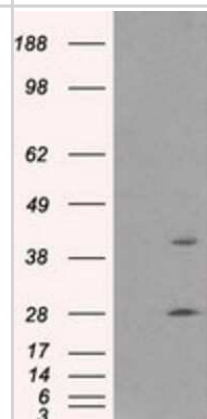
Immunohistochemistry-Paraffin: Glutamine Synthetase Antibody (1F4) [NBP2-02125] - Staining of paraffin-embedded Human Ovary tissue using anti-Glutamine Synthetase mouse monoclonal antibody.



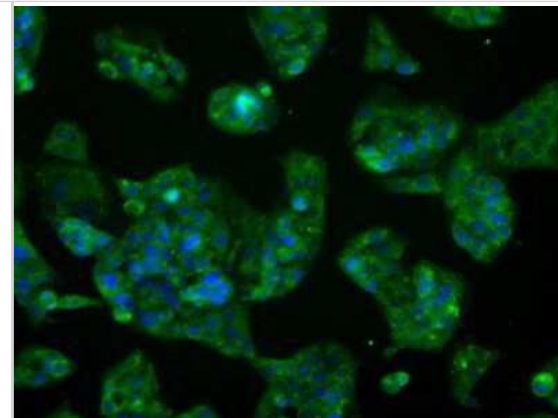
Flow Cytometry: Glutamine Synthetase Antibody (1F4) [NBP2-02125] - Analysis of Jurkat cells, using anti-Glutamine Synthetase antibody, (Red), compared to a nonspecific negative control antibody (Blue).



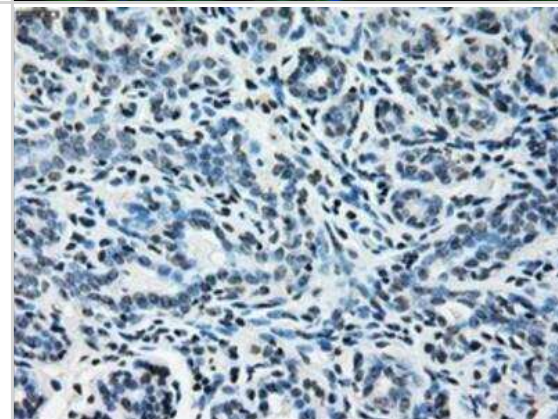
Western Blot: Glutamine Synthetase Antibody (1F4) [NBP2-02125] - HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY Glutamine Synthetase (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-Glutamine Synthetase.



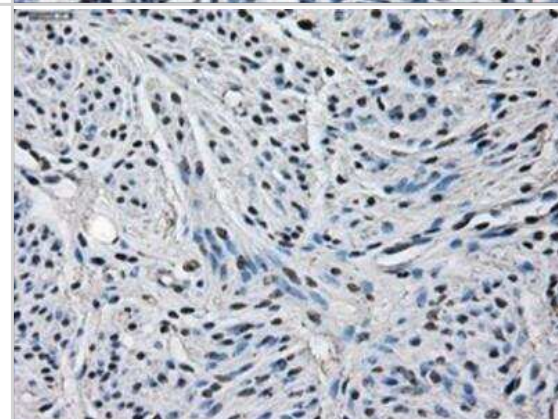
Immunocytochemistry/Immunofluorescence: Glutamine Synthetase Antibody (1F4) [NBP2-02125] - Immunofluorescent staining of HepG2 cells using anti-Glutamine Synthetase mouse monoclonal antibody.



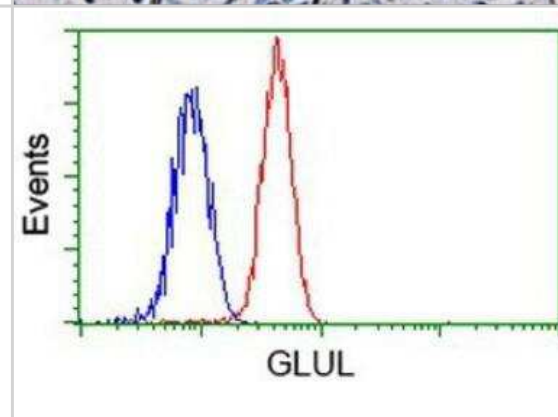
Immunohistochemistry-Paraffin: Glutamine Synthetase Antibody (1F4) [NBP2-02125] - Staining of paraffin-embedded Human breast tissue using anti-Glutamine Synthetase mouse monoclonal antibody.



Immunohistochemistry-Paraffin: Glutamine Synthetase Antibody (1F4) [NBP2-02125] - Staining of paraffin-embedded Human endometrium tissue using anti-Glutamine Synthetase mouse monoclonal antibody.



Flow Cytometry: Glutamine Synthetase Antibody (1F4) [NBP2-02125] - Analysis of Hela cells, using anti-Glutamine Synthetase antibody, (Red), compared to a nonspecific negative control antibody (Blue).



## Publications

Al Sayed K, Elseaidy A, Emara N et al. Immunohistochemical study of (Arginase 1 and Glutamine synthetase) in Chronic hepatitis C, Cirrhosis and Hepatocellular carcinoma Benha Medical Journal 2023-05-01



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### **Products Related to NBP2-02125**

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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

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### **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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