

# Product Datasheet

## Glutathione Synthetase Antibody (JB95-33) NBP2-75513

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP2-75513****Glutathione Synthetase Antibody (JB95-33)**

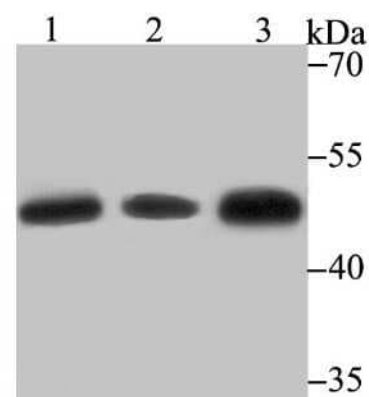
Product Information	
Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	JB95-33
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	TBS (pH7.4), 0.05% BSA, 40% Glycerol
Target Molecular Weight	52 kDa

Product Description	
Host	Rabbit
Gene Symbol	GSS
Species	Human, Mouse, Rat
Immunogen	Recombinant protein within Human Glutathione Synthetase aa 301-420 / 474. (SwissProt: P48637 Human; SwissProt: P51855 Mouse; SwissProt: P46413 Rat)

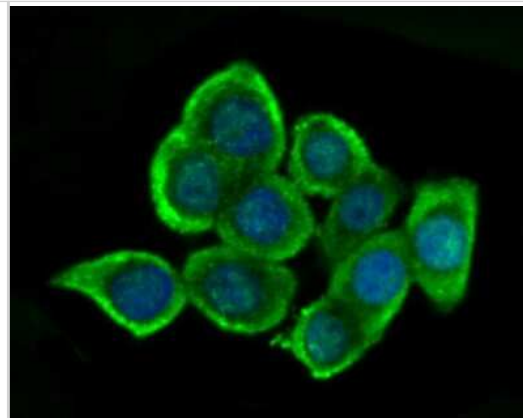
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500-1:1000, Flow Cytometry 1:50-1:100, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:50-1:200, Immunohistochemistry-Paraffin 1:50-1:200

**Images**

Western Blot: Glutathione Synthetase Antibody (JB95-33) [NBP2-75513]  
 - Analysis of Glutathione Synthetase on different lysates using anti-Glutathione Synthetase antibody at 1/500 dilution. Positive control: Lane 1: SiHa Lane 2: Mouse colon Lane 3: Rat liver



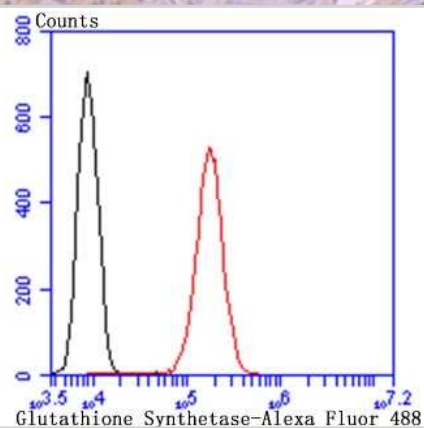
Immunocytochemistry/Immunofluorescence: Glutathione Synthetase Antibody (JB95-33) [NBP2-75513] - Staining Glutathione Synthetase in LOVO cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



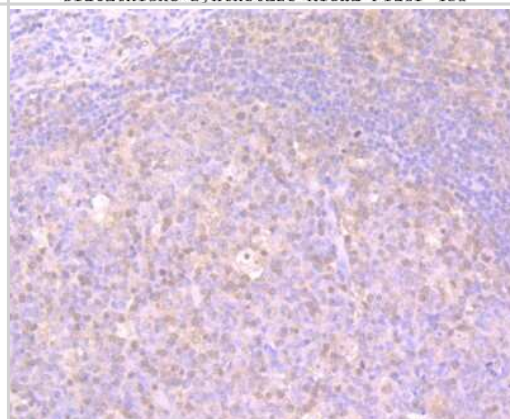
Immunohistochemistry-Paraffin: Glutathione Synthetase Antibody (JB95-33) [NBP2-75513] - Analysis of paraffin-embedded rat epididymis tissue using anti-Glutathione Synthetase antibody. Counter stained with hematoxylin.



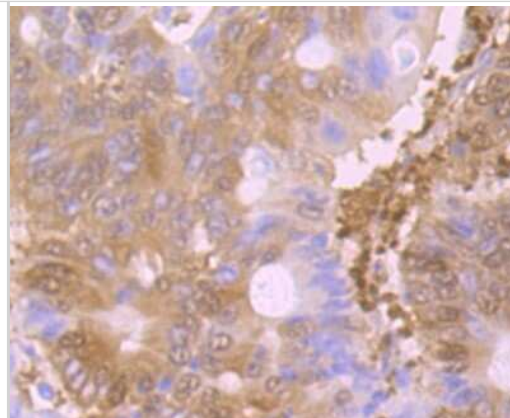
Flow Cytometry: Glutathione Synthetase Antibody (JB95-33) [NBP2-75513] - Analysis of HepG2 cells with Glutathione Synthetase antibody at 1/100 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.



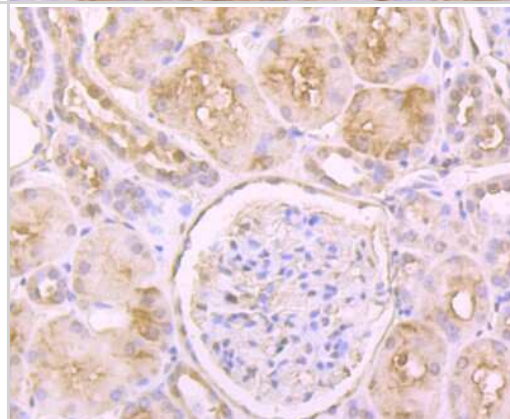
Immunohistochemistry-Paraffin: Glutathione Synthetase Antibody (JB95-33) [NBP2-75513] - Analysis of paraffin-embedded human tonsil tissue using anti-Glutathione Synthetase antibody. Counter stained with hematoxylin.



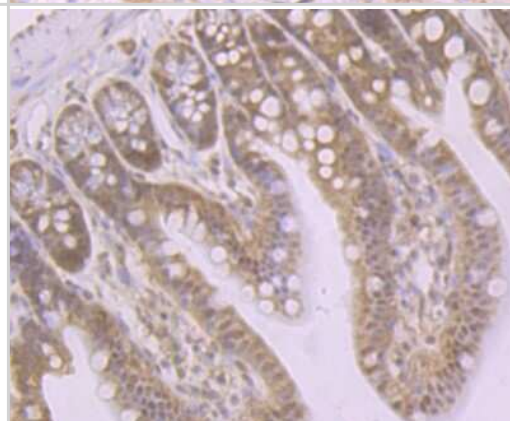
Immunohistochemistry-Paraffin: Glutathione Synthetase Antibody (JB95-33) [NBP2-75513] - Analysis of paraffin-embedded human colon cancer tissue using anti-Glutathione Synthetase antibody. Counter stained with hematoxylin.



Immunohistochemistry-Paraffin: Glutathione Synthetase Antibody (JB95-33) [NBP2-75513] - Analysis of paraffin-embedded human kidney tissue using anti-Glutathione Synthetase antibody. Counter stained with hematoxylin.



Immunohistochemistry-Paraffin: Glutathione Synthetase Antibody (JB95-33) [NBP2-75513] - Analysis of paraffin-embedded mouse colon tissue using anti-Glutathione Synthetase antibody. Counter stained with hematoxylin.



## Publications

Deka B, Sarma P, Manna P et al. Alliin Enriched Standardized Fraction of Allium Hookeri Regulates the Glucose Homeostasis Via Upregulating Hepatic Glutathione Pool SSRN Electronic Journal 2023-02-17 (WB, Rat)



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### **Products Related to NBP2-75513**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP1-50862-0.1mg	Recombinant Human Glutathione Synthetase His 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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