

# Product Datasheet

## Glutathione Synthetase Antibody - BSA Free NBP2-57177

Unit Size: 100 ul

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

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



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### Publications: 1

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**NBP2-57177**

Glutathione Synthetase Antibody - BSA Free

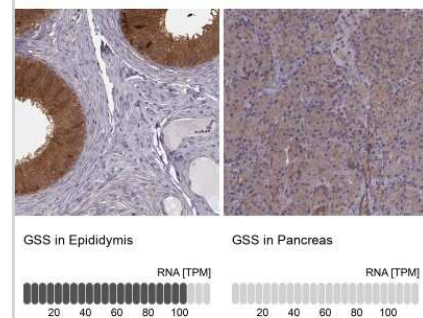
Product Information	
Unit Size	100 ul
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description	
Host	Rabbit
Gene ID	2937
Gene Symbol	GSS
Species	Human
Reactivity Notes	Mouse (82%), Rat (83%).
Immunogen	This antibody was developed against a recombinant protein corresponding to the following amino acid sequence: ISEKGSLDQDRRLFVDGQEIAVVYFRDGYMMPRQYSLQNWEARLLLSHAAC PDIATQLAGTKKVQQELSRPGMLEMLLP

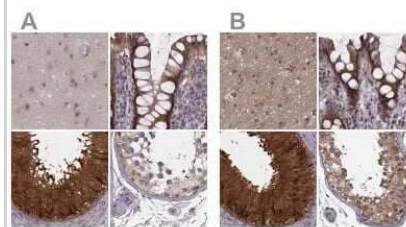
Product Application Details	
Applications	Western Blot, Simple Western, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Simple Western Referenced in scientific literature (PMID: 32026202), Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:200 - 1:500
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100. See <a href="#">Simple Western Antibody Database</a> for Simple Western validation: separated by Size

**Images**

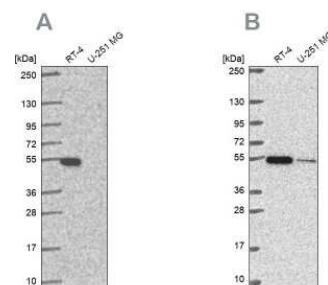
Immunohistochemistry-Paraffin: Glutathione Synthetase Antibody [NBP2-57177] - Staining in human epididymis and pancreas tissues using anti-GSS antibody. Corresponding GSS RNA-seq data are presented for the same tissues.



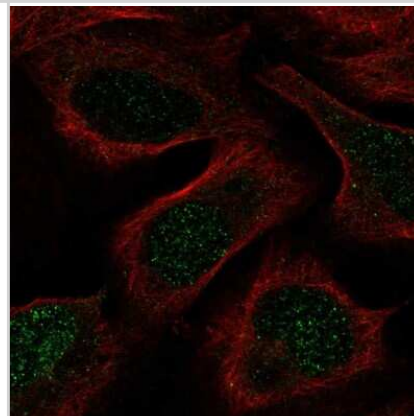
Immunohistochemistry-Paraffin: Glutathione Synthetase Antibody [NBP2-57177] - Staining of human cerebral cortex, colon, epididymis and testis using Anti-GSS antibody NBP2-57177 (A) shows similar protein distribution across tissues to independent antibody NBP2-30465 (B).



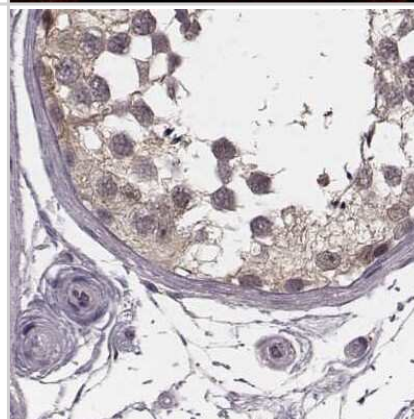
Western Blot: Glutathione Synthetase Antibody [NBP2-57177] - Analysis using Anti-GSS antibody NBP2-57177 (A) shows similar pattern to independent antibody NBP2-30465 (B).



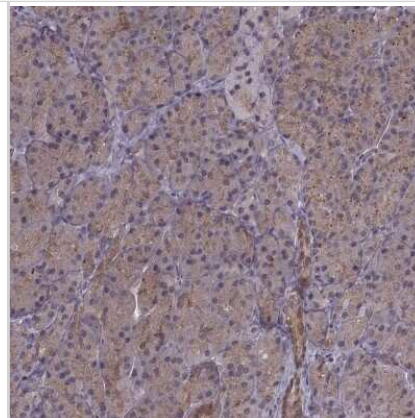
Immunocytochemistry/Immunofluorescence: Glutathione Synthetase Antibody [NBP2-57177] - Staining of human cell line U-2 OS shows localization to nucleus. Antibody staining is shown in green.



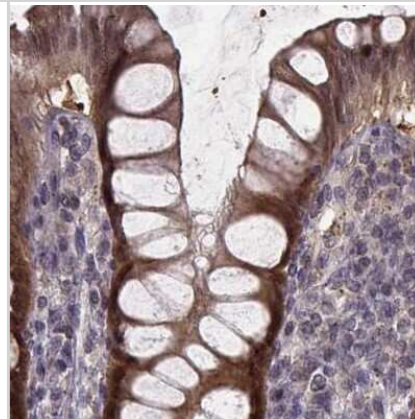
Immunohistochemistry-Paraffin: Glutathione Synthetase Antibody [NBP2-57177] - Staining of human testis.



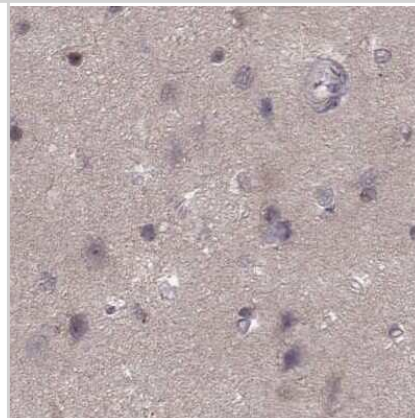
Immunohistochemistry-Paraffin: Glutathione Synthetase Antibody [NBP2-57177] - Staining of human pancreas shows low expression as expected.



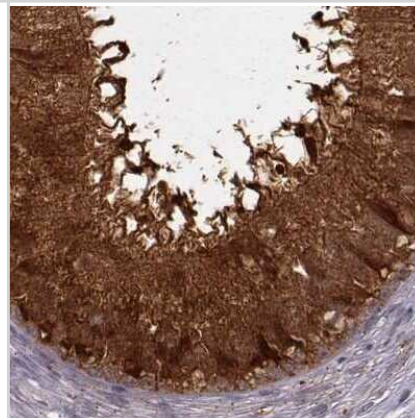
Immunohistochemistry-Paraffin: Glutathione Synthetase Antibody [NBP2-57177] - Staining of human colon.



Immunohistochemistry-Paraffin: Glutathione Synthetase Antibody [NBP2-57177] - Staining of human cerebral cortex.



Immunohistochemistry-Paraffin: Glutathione Synthetase Antibody [NBP2-57177] - Staining of human epididymis using Anti-GSS antibody NBP2-57177.



## Publications

Pini, T.; Parks, J.; Russ, J.; Dzieciatkowska, M.; Hansen, K.C.; Schoolcraft, W.B.; Katz-Jaffe, M. Obesity Significantly Alters the Human Sperm Proteome, With Potential Implications for Fertility J Assist Reprod Genet [PMID: 32026202] (Simple Western, Human)



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### **Products Related to NBP2-57177**

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NBP2-57177PEP	Glutathione Synthetase Recombinant Protein Antigen
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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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