

# Product Datasheet

## Glutamine Synthetase Antibody - BSA Free NBP1-89767

Unit Size: 0.1 ml

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

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### Publications: 1

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**NBP1-89767**

## Glutamine Synthetase Antibody - BSA Free

Product Information	
Unit Size	0.1 ml
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

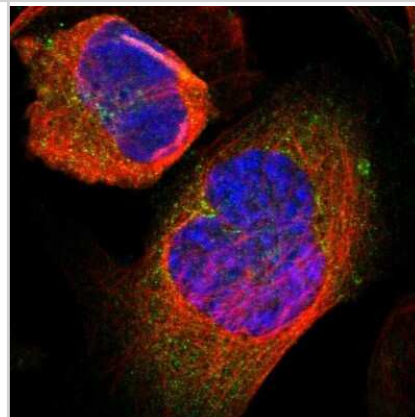
Product Description	
Description	Novus Biologicals Rabbit Glutamine Synthetase Antibody - BSA Free (NBP1-89767) is a polyclonal antibody validated for use in IHC and ICC/IF. Anti-Glutamine Synthetase Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	2752
Gene Symbol	GLUL
Species	Human
Reactivity Notes	Reactivity reported in scientific literature (PMID: 23435261)
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: RVCEDFGVIATFDPKPIPGNWNGAGCHTNFSTKAMREENGLKYIEEAIEKLSKR HQYHIRAYDPKGGGLDNARRLTGFHETSNINDFSAGVANRSASIRIPRTVGQEKK GYFEDRRPSANCDPFSVTEALIRTCLLNETG

Product Application Details	
Applications	Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Immunohistochemistry 1:500 - 1:1000, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:500 - 1:1000
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF, Fixation Permeabilization: Use PFA/Triton X-100.

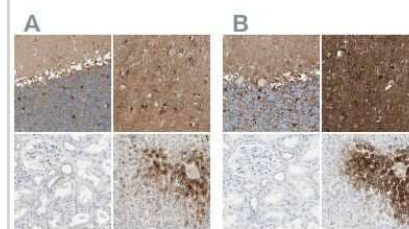


## Images

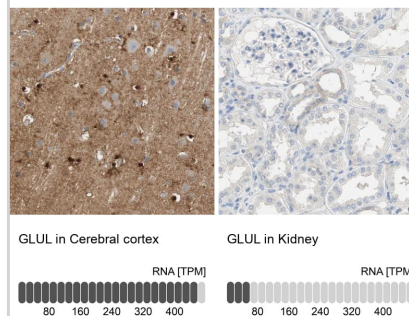
Immunocytochemistry/Immunofluorescence: Glutamine Synthetase Antibody [NBP1-89767] - Staining of human cell line U-2 OS shows localization to cytosol & mitochondria.



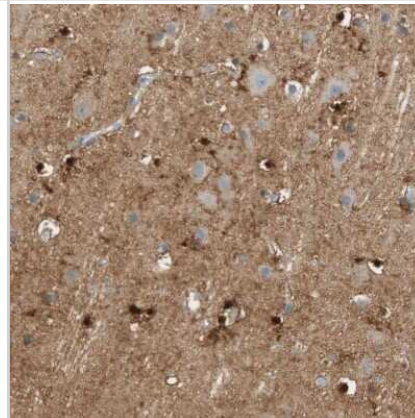
Immunohistochemistry-Paraffin: Glutamine Synthetase Antibody [NBP1-89767] - Staining of human cerebellum, cerebral cortex, kidney and liver using Anti-GLUL antibody NBP1-89767 (A) shows similar protein distribution across tissues to independent antibody NBP1-89768 (B).



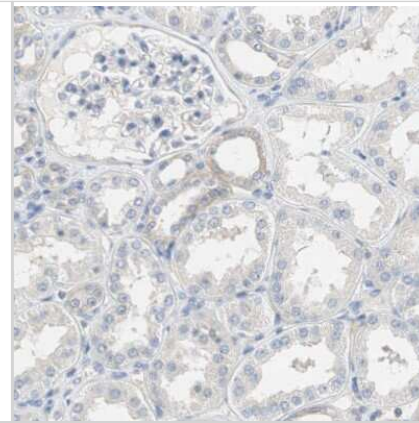
Analysis in human cerebral cortex and kidney tissues using NBP1-89767 antibody. Corresponding GLUL RNA-seq data are presented for the same tissues.



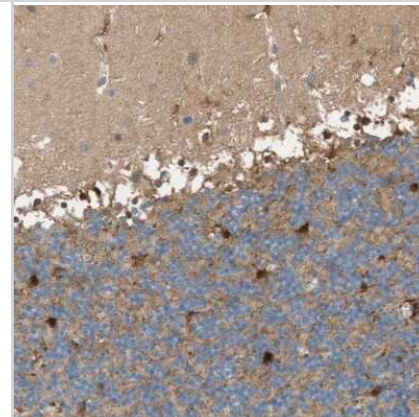
Immunohistochemistry-Paraffin: Glutamine Synthetase Antibody [NBP1-89767] - Staining of human cerebral cortex shows strong cytoplasmic positivity in glial cells.



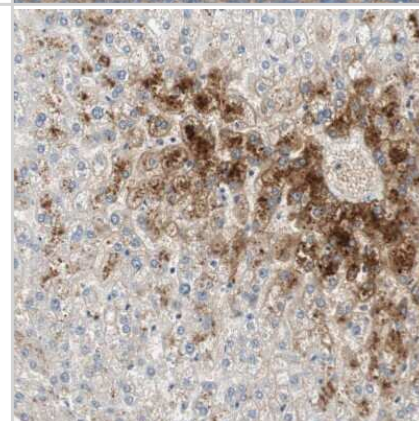
Immunohistochemistry-Paraffin: Glutamine Synthetase Antibody [NBP1-89767] - Staining of human kidney shows only very weak cytoplasmic positivity in a subset of cells in tubules.



Immunohistochemistry-Paraffin: Glutamine Synthetase Antibody [NBP1-89767] - Staining of human cerebellum shows strong cytoplasmic positivity in glial cells.



Immunohistochemistry-Paraffin: Glutamine Synthetase Antibody [NBP1-89767] - Staining of human liver shows strong cytoplasmic positivity in hepatocytes.



## Publications

Stadler C, Rexhepaj E, Singan VR et al. Immunofluorescence and fluorescent-protein tagging show high correlation for protein localization in mammalian cells. Nat Methods 2013-04-01 [PMID: 23435261]



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### **Products Related to NBP1-89767**

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NBP1-89767PEP	Glutamine 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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