

Product Datasheet

Glutamine Synthetase Antibody - BSA Free NBP1-89768

Unit Size: 0.1 ml

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

www.novusbio.com



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Publications: 2

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NBP1-89768

Glutamine Synthetase Antibody - BSA Free

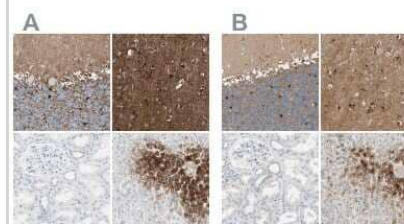
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description	
Description	Novus Biologicals Rabbit Glutamine Synthetase Antibody - BSA Free (NBP1-89768) is a polyclonal antibody validated for use in IHC and WB. Anti-Glutamine Synthetase Antibody: Cited in 2 publications. 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: 23908247)
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: LQSEGSNSDMYLVPAAMFRDPFRKDPNKLVLCEVFKYNRRPAETNLRHTCKRI MDMVSNQHPWFGMEQEYTLMGTDGHPFGWPSNGFPGPQGPYYCGVGADR AYGRDIVEAHYRACLYAGVKIAGTNAEVMPAQWFEQIGP

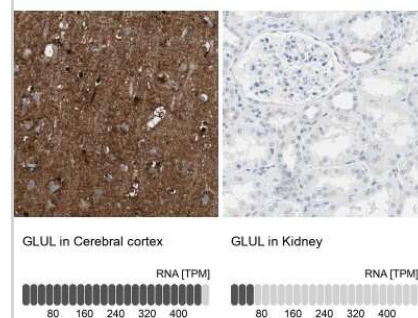
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry
Recommended Dilutions	Western Blot 0.04 - 0.4 ug/ml, Immunohistochemistry 1:200 - 1:500, Immunohistochemistry-Paraffin 1:500-1:1000
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

Images

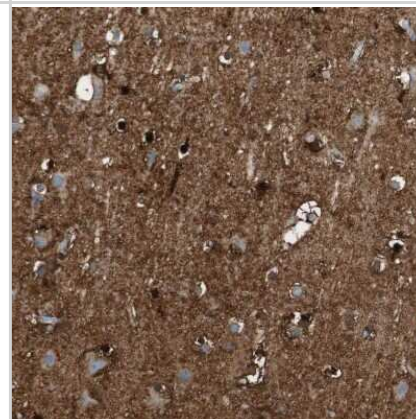
Immunohistochemistry-Paraffin: Glutamine Synthetase Antibody [NBP1-89768] - Staining of human cerebellum, cerebral cortex, kidney and liver using Anti-GLUL antibody NBP1-89768 (A) shows similar protein distribution across tissues to independent antibody NBP1-89767 (B).



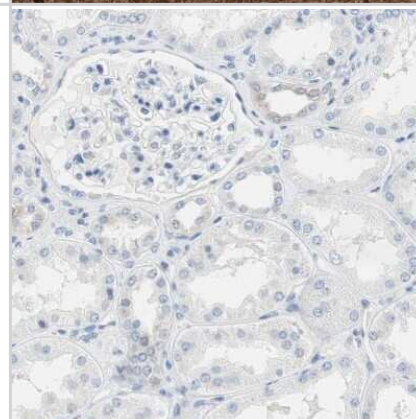
Immunohistochemistry-Paraffin: Glutamine Synthetase Antibody [NBP1-89768] - Staining in human cerebral cortex and kidney tissues using NBP1-89768 antibody. Corresponding GLUL RNA-seq data are presented for the same tissues.



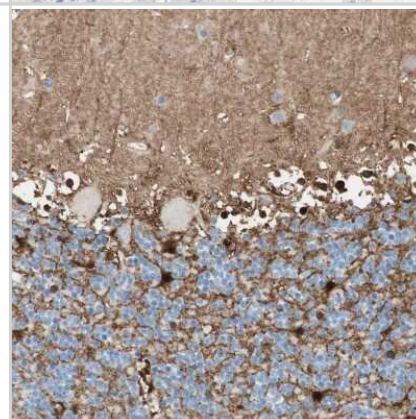
Immunohistochemistry-Paraffin: Glutamine Synthetase Antibody [NBP1-89768] - Staining of human cerebral cortex shows strong cytoplasmic positivity in glial cells.



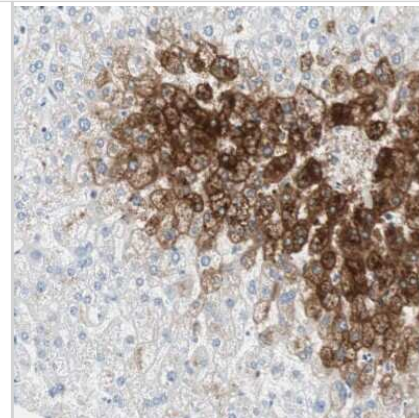
Immunohistochemistry-Paraffin: Glutamine Synthetase Antibody [NBP1-89768] - Staining of human kidney shows only very weak cytoplasmic positivity in a subset of cells in tubules.



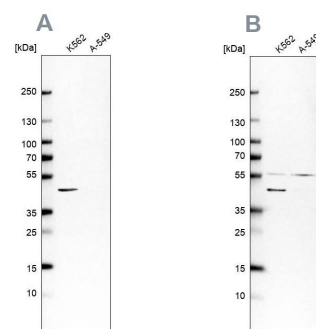
Immunohistochemistry-Paraffin: Glutamine Synthetase Antibody [NBP1-89768] - Staining of human cerebellum shows strong cytoplasmic positivity in glial cells.



Immunohistochemistry-Paraffin: Glutamine Synthetase Antibody [NBP1-89768] - Staining of human liver shows strong cytoplasmic positivity in hepatocytes.



Analysis using Anti-GLUL antibody NBP1-89768 (A) shows similar pattern to independent antibody NBP1-89767 (B).



Publications

Perisic L, Hedin E, Razuvaev A et al. Profiling of atherosclerotic lesions by gene and tissue microarrays reveals PCSK6 as a novel protease in unstable carotid atherosclerosis. *Arterioscler Thromb Vasc Biol* 2013-10-01 [PMID: 23908247]

Ko YH, Lin Z, Flomenberg N et al. Glutamine fuels a vicious cycle of autophagy in the tumor stroma and oxidative mitochondrial metabolism in epithelial cancer cells: implications for preventing chemotherapy resistance. *Cancer Biol Ther*. 2011-12-15 [PMID: 22236876]



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
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP1-89768

NBP1-89768PEP	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

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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