

# Product Datasheet

## VGLUT2 Antibody (CL2952) - BSA Free NBP2-46641

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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**NBP2-46641**

VGLUT2 Antibody (CL2952) - BSA Free

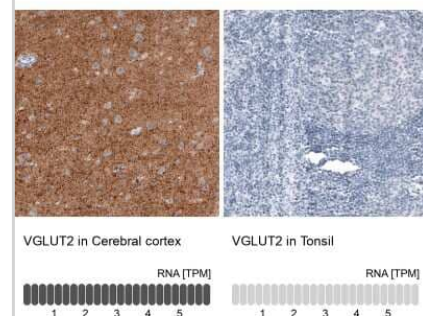
Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	CL2952
Preservative	0.02% Sodium Azide
Isotype	IgG1
Purity	Protein A purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description	
Host	Mouse
Gene ID	57084
Gene Symbol	SLC17A6
Species	Human, Mouse, Rat, Rhesus Macaque
Reactivity Notes	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. Use in Rhesus Macaque reported in scientific publication (PMID: 32337749).
Immunogen	This antibody was developed using a recombinant protein derived from Q9P2U8, with the exact immunogen sequence remaining proprietary.

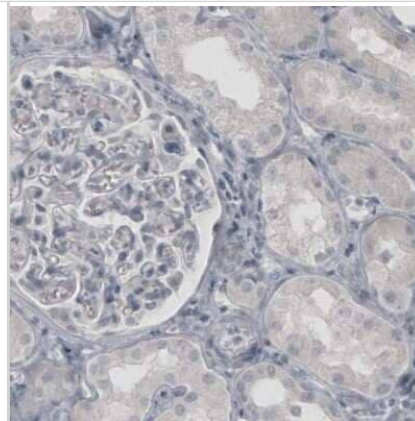
Product Application Details	
Applications	Immunohistochemistry-Paraffin, Immunohistochemistry, Immunohistochemistry-Frozen
Recommended Dilutions	Immunohistochemistry 1:1000 - 1:2500, Immunohistochemistry-Paraffin 1:1000 - 1:2500, Immunohistochemistry-Frozen Reported in scientific publication (PMID: 32337749)
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

**Images**

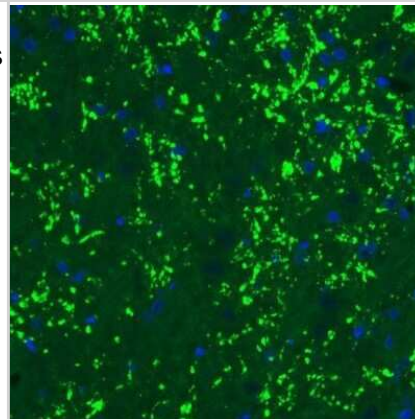
Immunohistochemistry-Paraffin: VGLUT2 Antibody (CL2952) [NBP2-46641] - Analysis in human cerebral cortex and tonsil tissues using NBP2-46641 antibody. Corresponding VGLUT2 RNA-seq data are presented for the same tissues.



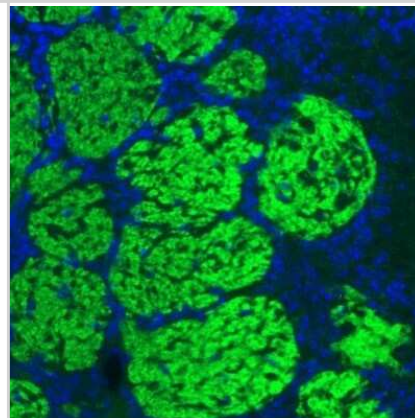
Immunohistochemistry-Paraffin: VGLUT2 Antibody (CL2952) [NBP2-46641] - Staining of human kidney shows absence of immunoreactivity (negative control).



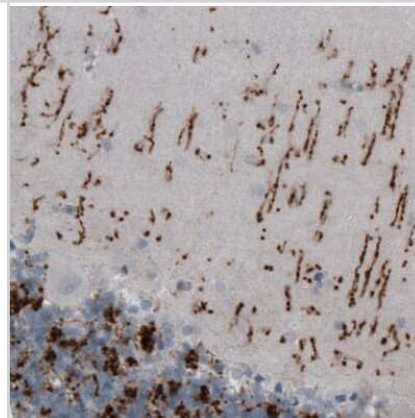
Immunohistochemistry: VGLUT2 Antibody (CL2952) [NBP2-46641] - VGLUT2 Antibody (2952) [NBP2-46641] - Staining of rat thalamus shows strong immunoreactivity in glutamatergic synapses.



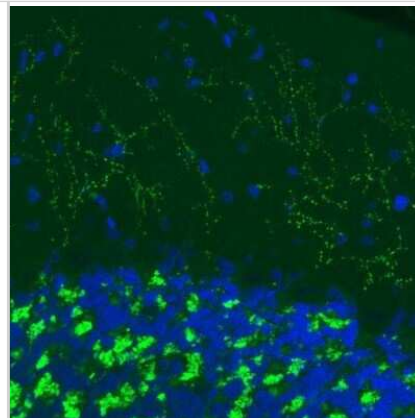
Immunohistochemistry: VGLUT2 Antibody (CL2952) [NBP2-46641] - VGLUT2 Antibody (2952) [NBP2-46641] - Staining of mouse olfactory bulb shows strong immunoreactivity in glomeruli.



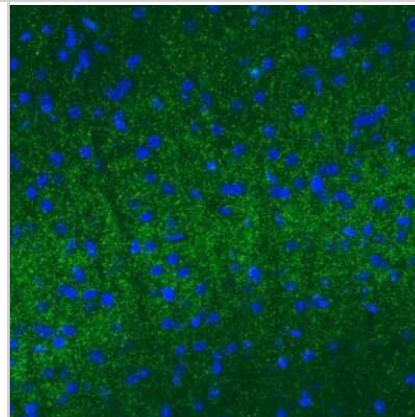
Immunohistochemistry-Paraffin: VGLUT2 Antibody (CL2952) [NBP2-46641] - Staining of human cerebellum shows strong immunoreactivity in glutamatergic synapses in the molecular and granular layers.



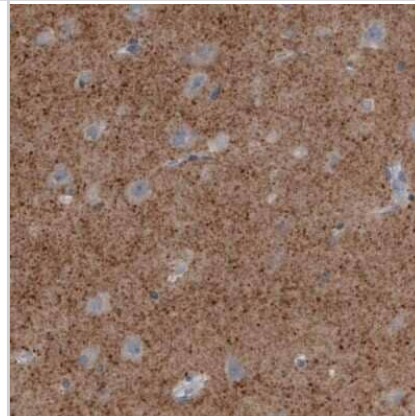
Immunohistochemistry: VGLUT2 Antibody (CL2952) [NBP2-46641] - VGLUT2 Antibody (2952) [NBP2-46641] - Staining of rat cerebellum shows strong immunoreactivity in glutamatergic fibers in the molecular and granular layers.



Immunohistochemistry: VGLUT2 Antibody (CL2952) [NBP2-46641] - VGLUT2 Antibody (2952) [NBP2-46641] - Staining of mouse cerebral cortex shows moderate positivity in neuropil.



Immunohistochemistry-Paraffin: VGLUT2 Antibody (CL2952) [NBP2-46641] - Staining of human cerebral cortex shows moderate immunoreactivity in neuropil.



## Publications

Albaugh DL, Huang C, Ye S et al. Glutamatergic inputs to GABAergic interneurons in the motor thalamus of control and parkinsonian monkeys Eur. J. Neurosci. 2020-04-26 [PMID: 32337749] (IHC-Fr, Rhesus Macaque)



### **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 NBP2-46641**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP2-46641PEP	VGLUT2 Recombinant Protein Antigen

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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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