

# Product Datasheet

## VGLUT1 Antibody (CL2754) - BSA Free NBP2-46627

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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**NBP2-46627**

VGLUT1 Antibody (CL2754) - BSA Free

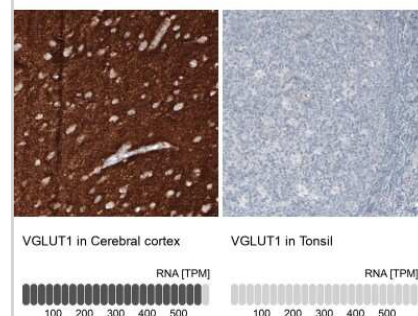
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	CL2754
Preservative	0.02% Sodium Azide
Isotype	IgG2b
Purity	Protein A purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description	
Host	Mouse
Gene ID	57030
Gene Symbol	SLC17A7
Species	Human, Mouse, Rat
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
Immunogen	This antibody was developed using a recombinant protein derived from Q9P2U7, with the exact immunogen sequence remaining proprietary.

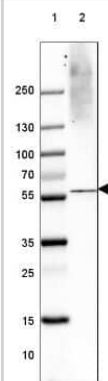
Product Application Details	
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1 ug/ml, Immunohistochemistry 1:5000 - 1:10000, Immunohistochemistry-Paraffin 1:5000 - 1:10000
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

**Images**

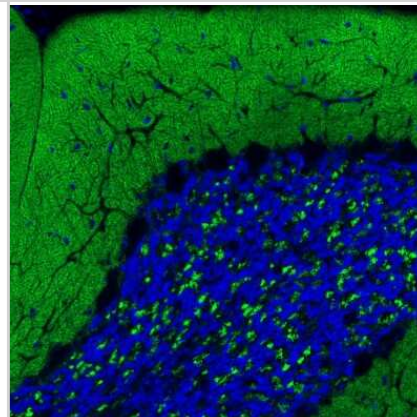
Immunohistochemistry-Paraffin: VGLUT1 Antibody (CL2754) [NBP2-46627] - VGLUT1 Antibody (2754) [NBP2-46627] - Staining in human cerebral cortex and tonsil tissues. Corresponding VGLUT1 RNA-seq data are presented for the same tissues.



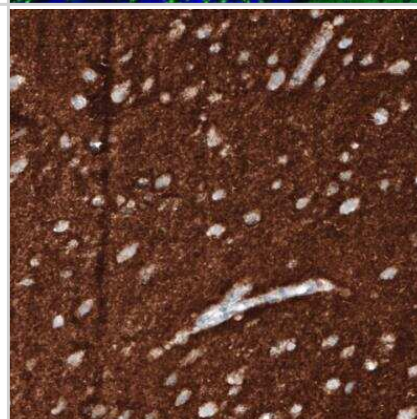
Western Blot: VGLUT1 Antibody (2754) [NBP2-46627] - Lane 1: Marker [kDa] 250, 130, 100, 70, 55, 35, 25, 15, 10. Lane 2: Human Cerebral Cortex tissue



Immunohistochemistry: VGLUT1 Antibody (2754) [NBP2-46627] - Staining of rat brain shows strong positivity in glutamatergic processes in the molecular and granular layers of cerebellum.



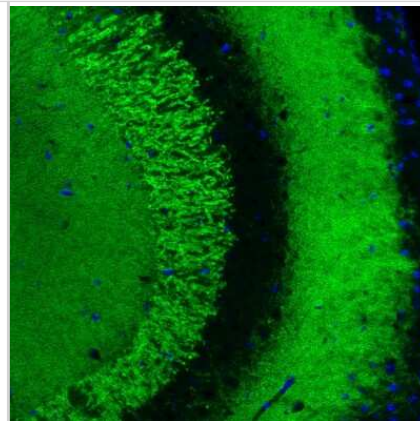
Immunohistochemistry-Paraffin: VGLUT1 Antibody (2754) [NBP2-46627] - Staining of human cerebral cortex shows strong positivity in neuropil.



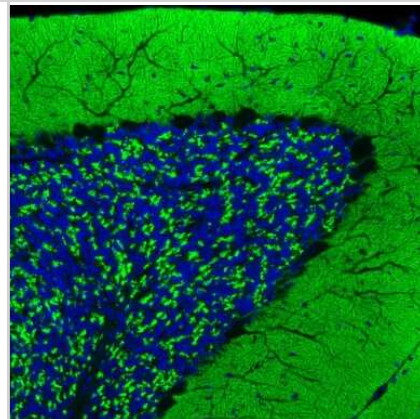
Immunohistochemistry-Paraffin: VGLUT1 Antibody (2754) [NBP2-46627] - Staining of human tonsil shows no positivity in lymphoid cells as expected.



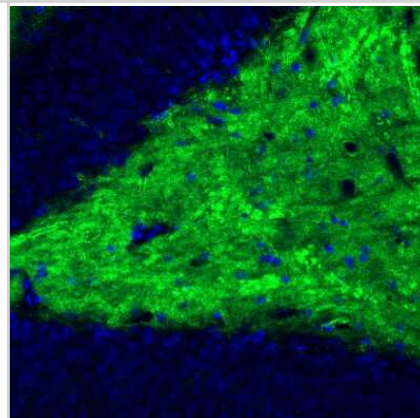
Immunohistochemistry: VGLUT1 Antibody (2754) [NBP2-46627] - Staining of mouse hippocampus shows strong positivity in glutamatergic fibers in the CA2 layer.



Immunohistochemistry: VGLUT1 Antibody (2754) [NBP2-46627] - Staining of mouse brain shows strong positivity in glutamatergic fibers in the molecular and granular layers of the cerebellum.



Immunohistochemistry: VGLUT1 Antibody (2754) [NBP2-46627] - Staining of rat brain shows strong positivity in glutamatergic fibers in the polymorph layer of dentate gyrus.





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### **Products Related to NBP2-46627**

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NBP2-46627PEP	VGLUT1 Recombinant Protein Antigen
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP2-27231	Mouse IgG2b Isotype Control (MPC-11)

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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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