

Product Datasheet

VGLUT1 Antibody (CL2754) - Azide and BSA Free NBP3-43811

Unit Size: 100 ug

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

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NBP3-43811

VGLUT1 Antibody (CL2754) - Azide and BSA Free

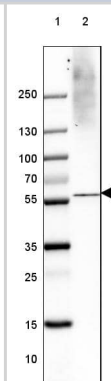
Product Information	
Unit Size	100 ug
Concentration	LYOPH mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	CL2754
Preservative	No Preservative
Reconstitution Instructions	Centrifuge the vial of lyophilized antibody at 12,000 x g for 20 seconds. Reconstitute by adding sterile, distilled water to achieve a final antibody concentration of 1mg/ml.
Isotype	IgG2b
Purity	Protein A purified
Buffer	Lyophilized from a 0.2 um filtered solution in PBS with Trehalose

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

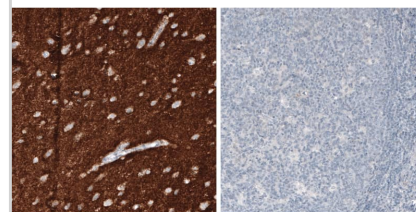
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1 ug/ml, Immunohistochemistry-Paraffin 1:5000 - 1:10000
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

Images

Lane 1: Marker [kDa] 250, 130, 100, 70, 55, 35, 25, 15, 10
 Lane 2: Human Cerebral Cortex tissue

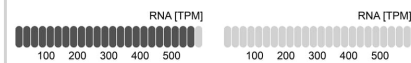


Analysis in human cerebral cortex and tonsil tissues using NBP3-43811 antibody. Corresponding VGLUT1 RNA-seq data are presented for the same tissues.

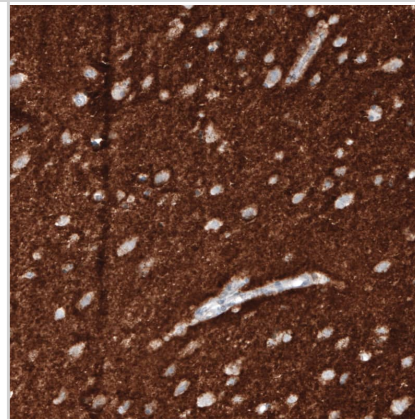


VGLUT1 in Cerebral cortex

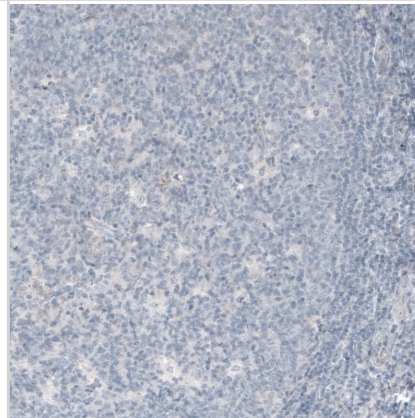
VGLUT1 in Tonsil



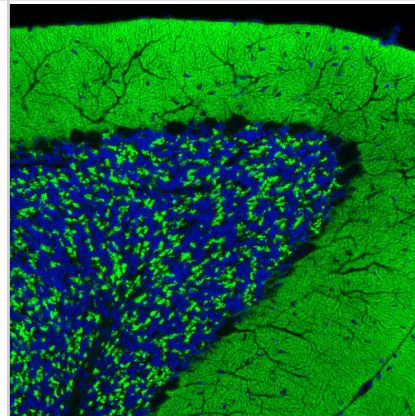
Staining of human cerebral cortex shows strong positivity in neuropil.



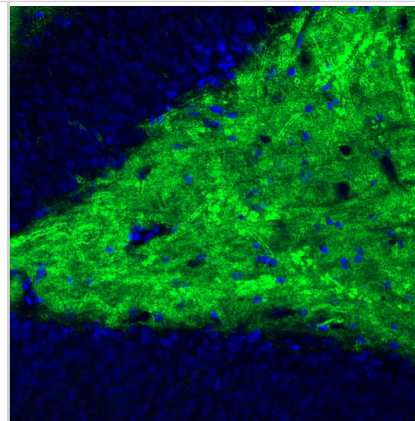
Staining of human tonsil shows no positivity in lymphoid cells as expected.



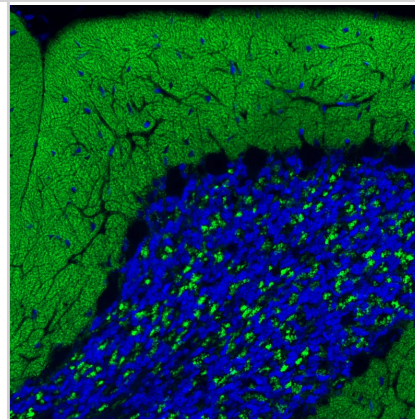
Staining of mouse brain shows strong positivity in glutamatergic fibers in the molecular and granular layers of the cerebellum.



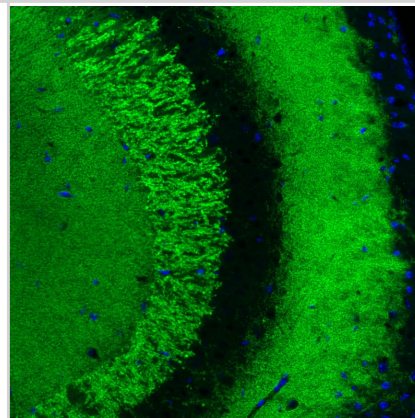
Staining of rat brain shows strong positivity in glutamatergic fibers in the polymorph layer of dentate gyrus.



Staining of rat brain shows strong positivity in glutamatergic processes in the molecular and granular layers of cerebellum.



Staining of mouse hippocampus shows strong positivity in glutamatergic fibers in the CA2 layer.





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Products Related to NBP3-43811

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)
H00057030-P01-2ug	Recombinant Human VGLUT1 GST (N-Term) Protein

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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