

# Product Datasheet

## VGLUT2 Antibody (N29/29) - Chimeric - BSA Free NBP3-52338-100ul

Unit Size: 100 ul

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

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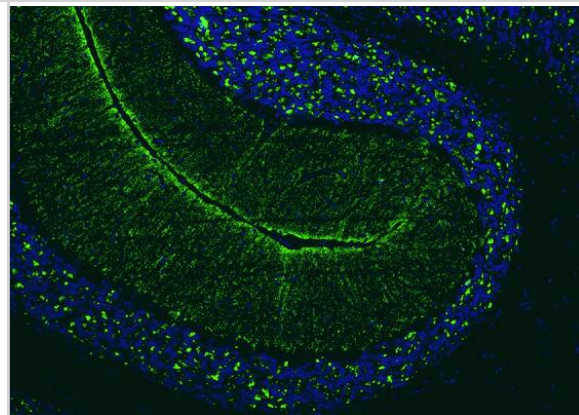
**NBP3-52338-100ul**

VGLUT2 Antibody (N29/29) - Chimeric - BSA Free

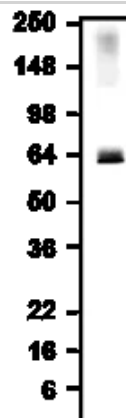
<b>Product Information</b>	
<b>Unit Size</b>	100 ul
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	N29/29
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgY
<b>Purity</b>	Affinity purified
<b>Buffer</b>	1X PBS (pH 7.4)
<b>Target Molecular Weight</b>	60 kDa
<b>Product Description</b>	
<b>Description</b>	This recombinant antibody is a chimeric antibody created by replacing the mouse heavy and light constant regions of clone N29/29 with chicken IgY heavy and light constant regions. As such this antibody retains the same binding performance as the original clone N29/29 but can be detected using standard anti-chicken secondary antibodies allowing flexibility for multiplexing applications. This antibody is expressed recombinantly in HEK293 cells and then affinity purified from the cell culture media.
<b>Host</b>	Chicken
<b>Gene ID</b>	57084
<b>Gene Symbol</b>	SLC17A6
<b>Species</b>	Human, Mouse, Rat, Chicken
<b>Reactivity Notes</b>	Electric Ray
<b>Specificity/Sensitivity</b>	Does not cross-react with VGlut1 or VGlut3
<b>Immunogen</b>	Fusion protein amino acids 501-582 (cytoplasmic C-terminus) of rat VGLUT2 (Uniprot#: Q9JI12) produced recombinantly in E. Coli
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunocytochemistry/Immunofluorescence
<b>Recommended Dilutions</b>	Western Blot 1:400, ELISA, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunohistochemistry-Paraffin 1:100-1:1000

## Images

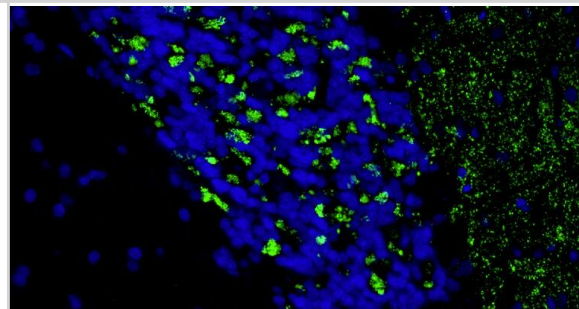
Formalin fixed, paraffin-embedded rat brain cerebellum region showing staining of VGLUT2 with NBP3-52338 at 1:100 dilution. DAPI nuclear stain (blue) shows cell nuclei. NBP3-52338 specifically stains the mossy fiber terminals in the granular layer and climbing fiber terminals in the molecular layer of the cerebellum. Magnification 100X.



Western blotting of rat brain membrane fraction with NBP3-52338 antibody and detected with anti-chicken-HRP. This antibody recognizes endogenous VGLUT2 in the rat brain membrane fraction at ~60 kDa.



Formalin fixed, paraffin-embedded rat brain cerebellum region showing staining of VGLUT2 with NBP3-52338 at 1:100 dilution. DAPI nuclear stain (blue) shows cell nuclei. This antibody specifically stains the mossy fiber terminals in the granular layer and climbing fiber terminals in the molecular layer of the cerebellum. Magnification 400X.





### **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 NBP3-52338-100ul**

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BAF010	Goat anti-Chicken IgY Secondary Antibody [Biotin]
NB7276	Goat anti-Chicken IgM Heavy Chain Secondary Antibody
NBP2-46641PEP	VGLUT2 Recombinant Protein Antigen
NBP2-46640PEP	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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