

Product Datasheet

VGLUT2 Antibody (N29/29) - Chimeric - Azide and BSA Free NBP3-52339

Unit Size: 100 ul

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

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NBP3-52339

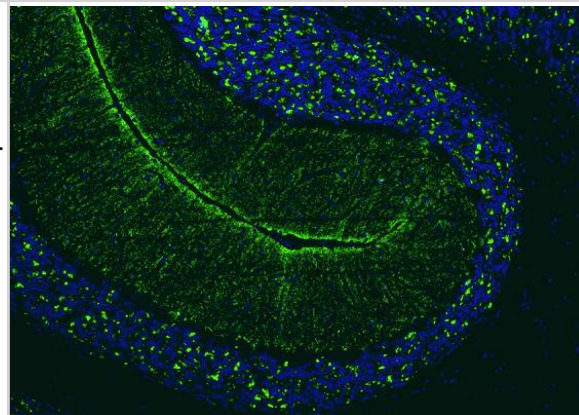
VGLUT2 Antibody (N29/29) - Chimeric - Azide and BSA Free

| Product Information | |
|------------------------------------|--|
| Unit Size | 100 ul |
| Concentration | 1 mg/ml |
| Storage | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles. |
| Clonality | Monoclonal |
| Clone | N29/29 |
| Preservative | No Preservative |
| Isotype | IgY |
| Purity | Affinity purified |
| Buffer | PBS |
| Target Molecular Weight | 60 kDa |
| Product Description | |
| Description | 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 and buffer exchanged into 1X PBS. |
| Host | Chicken |
| Gene ID | 57084 |
| Gene Symbol | SLC17A6 |
| Species | Human, Mouse, Rat, Chicken |
| Reactivity Notes | Electric Ray |
| Specificity/Sensitivity | Does not cross-react with VGlut1 or VGlut3 |
| Immunogen | Fusion protein amino acids 501-582 (cytoplasmic C-terminus) of rat VGLUT2 (Uniprot#: Q9JI12) produced recombinantly in E. Coli |
| Product Application Details | |
| Applications | Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunocytochemistry/Immunofluorescence |
| Recommended Dilutions | Western Blot 1:400, ELISA, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunohistochemistry-Paraffin 1:100-1:1000 |

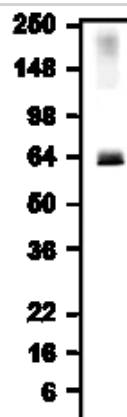


Images

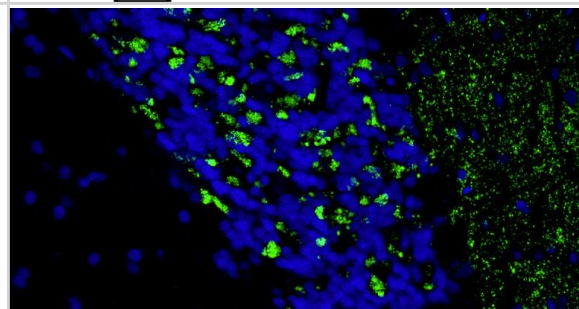
Formalin fixed, paraffin-embedded rat brain cerebellum region showing staining of VGLUT2 with NBP3-52338 (the BSA Free version of this antibody) at 1:100 dilution. DAPI nuclear stain (blue) shows cell nuclei. NBP3-52338 (the BSA Free version of this antibody) specifically stains the mossy fiber terminals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



Western blotting of rat brain membrane fraction with NBP3-52338 (the BSA Free version of this antibody) 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 (the BSA Free version of this antibody) 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 climbing fiber terminals in the molecular layer of the cerebellum. Magnification 400X.





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Products Related to NBP3-52339

| | |
|---------------|--|
| 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 |

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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