



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

## Anti-VGlut1 [N28/9] Bulk Size Ab02164-2.0-BT

Variable region sequences were determined by Dr. James Trimmer at the University of California, Davis, as supported by National Institutes of Health BRAIN Initiative award U24 NS109113.

**Isotype and Format:** Mouse IgG2a, Kappa

**Clone Number:** N28/9

**Alternative Name(s) of Target:** N28/9R; Vesicular glutamate transporter 1; Slc17a7; Brain-specific Na(+)-dependent inorganic phosphate cotransporter; Solute carrier family 17 member 7

**UniProt Accession Number of Target Protein:** Q62634

**Published Application(s):** WB, IF, IHC

**Published Species Reactivity:** Rat

**Immunogen:** This antibody was raised by immunising BALB/c mice with a fusion protein amino acids 493-560 (cytoplasmic C-terminus) of rat VGlut1

**Specificity:** This antibody is specific for the Vglut1 protein. The antibody does not cross-react with VGlut2 or VGlut3. Vglut1 mediates the uptake of glutamate into synaptic vesicles at presynaptic nerve terminals of excitatory neural cells. May also mediate the transport of inorganic phosphate.

**Application Notes:** Immunofluorescence was performed on the brain of mice and rats using this antibody (Lindhoff et al, 2009; PMID:19285470) (Garcia-Pino et al, 2009; PMID:20151361) (Takahashi et al, 2011; PMID:21262467). This antibody has been used for immunohistochemistry on the brain of a rat (Larsson et al, 2011; PMID:21810784). The antibody was used in a western blot experiment on rat brain extracts (Garcia-Pino et al, 2009; PMID:20151361). Immunocytochemistry has been performed on normal rat retinas with this antibody (Camino et al, 2015; PMID:25499209).

**Antibody First Published in:** Andrews et al. A toolbox of IgG subclass-switched recombinant monoclonal antibodies for enhanced multiplex immunolabeling of brain eLife. 2019; 8: e43322. [PMID:30667360](#)

**Note on publication:** This article describes the generation of a library of recombinant monoclonal antibodies (R-mAbs) from a pool of mAb-producing hybridomas for neuroscience research.

## Product Form

**Size:** 1 mg Purified antibody in bulk size.

**Purification:** Protein A affinity purified

**Supplied In:** PBS only.

**Storage Recommendation:** Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer

storage, aliquot and store at -20°C.

**Concentration:** 1 mg/ml.

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.