



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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# Anti-VGlut3 Antibody [S34-34]

Mouse Anti-Rat VGlut3 Monoclonal IgG1  
Catalog No. SMC-397



Discovery through partnership | Excellence through quality

## Overview

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### Product Name

VGlut3 Antibody

### Description

Mouse Anti-Rat VGlut3 Monoclonal IgG1

### Species Reactivity

Mouse, Rat

### Applications

WB, IHC

### Antibody Dilution

WB (1:1000); optimal dilutions for assays should be determined by the user.

### Host Species

Mouse

### Immunogen Species

Rat

### Immunogen

Fusion protein amino acids 546-588 (cytoplasmic C-terminus) of rat VGlut3

### Concentration

1 mg/ml

### Conjugates

Alkaline Phosphatase, APC, ATTO 390, ATTO 488, ATTO 565, ATTO 594, ATTO 633, ATTO 655, ATTO 680, ATTO 700, Biotin, FITC, HRP, PE/ATTO 594, PerCP, RPE, Streptavidin, Unconjugated

## Properties

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### Storage Buffer

PBS pH7.4, 50% glycerol, 0.09% sodium azide

### Storage Temperature

-20°C

### Shipping Temperature

Blue Ice or 4°C

### Purification

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Protein G Purified

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**Clonality**

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Monoclonal

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**Clone Number**

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S34-34

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**Isotype**

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IgG1

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**Specificity**

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Detects ~65kDa.

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**Cite This Product**

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Mouse Anti-Rat VGLUT3 Monoclonal, Clone S34-34 (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SMC-397)

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**Certificate Of Analysis**

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1 µg/ml of SMC-397 was sufficient for detection of VGLut3 in 20 µg of CV-1 fibroblast cells (lysate) transfected with VGLut3 by colorimetric immunoblot analysis using goat anti-mouse IgG:HRP as the secondary antibody.

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**Biological Description**

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**Alternative Names**

DFNA25 Antibody, Vesicular glutamate transporter 3 Antibody, deafness autosomal dominant 25 Antibody, SLC17A8 Antibody, Solute carrier family 17 member 8 Antibody, VGLUT 3 Antibody, Solute carrier family 17 (sodium dependent inorganic phosphate cotransporter) member 8 Antibody

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**Research Areas**

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Cell Structure, Neuroscience, Neurotransmitter Transporters, Pre-Synaptic Markers, Pumps/Transporters

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**Cellular Localization**

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Cell Junction, Cytoplasmic Vesicle, Membrane, Secretory vesicle, Synapse, Synaptic vesicle membrane

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**Accession Number**

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NP\_714947.1

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**Gene ID**

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266767

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**Swiss Prot**

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Q7TSF2

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**Scientific Background**

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Vesicular Glutamate Transporter 3 (VGLUT3) is a multipass membrane protein restricted to synaptic vesicles of glutamergic neurons. It is specifically expressed in amygdala, cerebellum, hippocampus, medulla, spinal cord, and thalamus. Human VGLUT3 shares a 72% sequence homology with VLGUT2 and BNPI.

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**References**

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1. Amilhon B., et al. (2010) J Neurosci. 30(6): 2198-2210.
  2. Herzog E., et al. (2004) Neurosci. 123(4): 983-1002.
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## Product Images

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Currently there are no images for this product

## Product Citations (0)

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Currently there are no citations for this product.

## Reviews

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There are no reviews yet.