


## Product datasheet

# Anti-VGLUT3 antibody [N34/34] ab134310

★★★★★ [2 Abreviews](#) [1 References](#) [1 Image](#)

### Overview

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<b>Product name</b>	Anti-VGLUT3 antibody [N34/34]
<b>Description</b>	Mouse monoclonal [N34/34] to VGLUT3
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P, IHC-Fr, ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat 
<b>Immunogen</b>	Recombinant fragment (His-tag) within Rat VGLUT3 aa 500 to the C-terminus (C terminal). The exact immunogen sequence used to generate this antibody is proprietary information. If additional detail on the immunogen is needed to determine the suitability of the antibody for your needs, please <b>contact</b> our Scientific Support team to discuss your requirements. Database link: <a href="#">Q7TSF2</a> <a href="#">Run BLAST with</a> <a href="#">Run BLAST with</a>
<b>Positive control</b>	ICC/IF: SK-N-BE cells.
<b>General notes</b>	<p>The clone number has been updated from S34-34 to N34/34, both clone numbers name the same antibody clone.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
<b>Storage buffer</b>	Preservative: 0.09% Sodium azide Constituents: PBS, 50% Glycerol (glycerin, glycerine)
<b>Purity</b>	Protein G purified
<b>Clonality</b>	Monoclonal

Clone number N34/34

Isotype IgG1

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab134310 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use at an assay dependent concentration.
IHC-P	★★★★★ (1)	Use at an assay dependent concentration.
IHC-Fr		Use at an assay dependent concentration.
ICC/IF		1/100.

## Target

**Function** Mediates the uptake of glutamate into synaptic vesicles at presynaptic nerve terminals of excitatory neural cells. May also mediate the transport of inorganic phosphate.

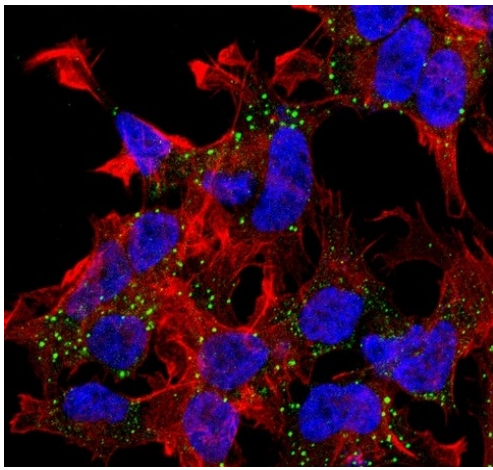
**Tissue specificity** Expressed in amygdala, cerebellum, hippocampus, medulla, spinal cord and thalamus.

**Involvement in disease** Defects in SLC17A8 are the cause of deafness autosomal dominant type 25 (DFNA25) [MIM:605583]. DFNA25 is a form of sensorineural hearing loss. The expression of DFNA25 deafness is variable in terms of onset and rate of progression, with an age-dependent penetrance resembling an early-onset presbycusis, or senile deafness, a progressive bilateral loss of hearing that occurs in the aged.

**Sequence similarities** Belongs to the major facilitator superfamily. Sodium/anion cotransporter family. VGLUT subfamily.

**Cellular localization** Cytoplasmic vesicle > secretory vesicle > synaptic vesicle membrane. Membrane. Cell junction > synapse > synaptosome.

## Images



Immunocytochemistry/ Immunofluorescence - Anti-VGLUT3 antibody [N34/34] (ab134310)

Immunocytochemistry/Immunofluorescence analysis of SK-N-BE (Human neuroblastoma cell line) cells labeling VGLUT3 using ab134310 at 1/100 for 60 minutes at RT. Cells were fixed in 4% formaldehyde for 15 minutes at RT. Secondary Antibody: Goat Anti-Mouse ATTO 488 at 1/200 for 60 min at RT. Counterstain: Phalloidin Texas Red F-Actin stain; DAPI (blue) nuclear stain at 1/1000, 1/5000 for 60 min at RT, 5 min at RT.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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