

Rabbit anti-Human VGLUT1/SLC17A7 Polyclonal Antibody | anti-VGLUT1/SLC17A7 antibody

Anti-VGLUT1/SLC17A7 Antibody, Rabbit Polyclonal

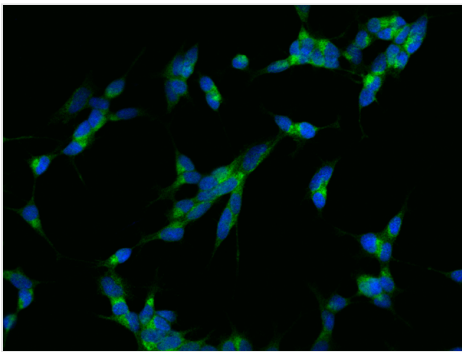
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA259007	Rabbit	Human	Immunofluorescence, Immunocytochemistry, Immunohistochemistry

PRODUCT SYNONYMS

VGLUT1/SLC17A7; Polyclonal Antibody; Anti-VGLUT1/SLC17A7 Antibody; Rabbit Polyclonal; Anti-BNPI Antibody; Anti-SVAT Antibody; Anti-SVMT Antibody; Anti-VAT2 Antibody; Anti-VGLUT1 Antibody; Anti-VMAT2 Antibody; anti-VGLUT1/SLC17A7 antibody

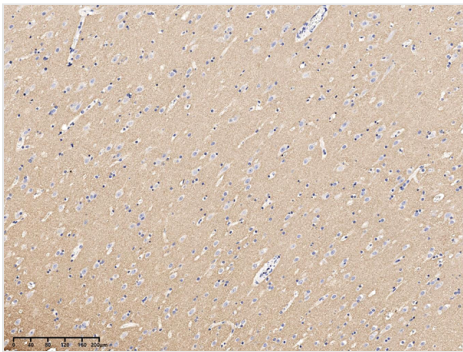
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human VGLUT1/SLC17A7
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-VGLUT1/SLC17A7 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry)
Immunogen	E coli-derived Human VGLUT1/SLC17A7 fragment
Preparation	Produced in rabbits immunized with E coli-derived Human VGLUT1/SLC17A7 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.



IF (Immunofluorescence)

Immunofluorescence staining of SLC17A7 in SHSY5Y cells. Cells were fixed with 4% PFA, permeabilized with 0.3% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Human SLC17A7 polyclonal antibody (dilution ratio 1:100) at 4? overnight. Then cells were stained with the Alexa Fluor 488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue). Positive staining was localized to Cytoplasm.



IHC (Immunohistochemistry)

Immunochemical staining of human SLC17A7 in human brain with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-VGLUT1/SLC17A7 antibody	The SLC17 family of transporters is a group of nine structurally related proteins that mediate the transmembrane transport of organic anions. The first characterized members of this family, the type I phosphate transporters (SLC17A1-4), were initially identified as Na+-dependent inorganic phosphate (Pi) transporters. However, the type I phosphate transporters are involved in the transport of organic anions. Other identified mammalian members of this family include a lysosomal acidic sugar transporter (sialin; SLC17A5), vesicular glutamate transporters (VGLUT1-3; SLC17A7, SLC17A6, and SLC17A8 respectively), and a vesicular nucleotide transporter (VNUT; SLC17A9). These proteins are integral membrane proteins with 12 predicted transmembrane domains that reside on synaptic vesicles (the VLGUTs and VNUT), lysosomes (sialin) and the plasma membrane (type I phosphate transporters).
References	Reimer RJ (2013) Slc17: A functionally diverse family of organic anion transporters. Mol Aspects Med 34 (2-3): 350-359.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/vglut1-slc17a7-antibody-immunofluorescence-immunocytochemistry-immunohistochemistry-elisa/259007>