

Goat VGLUT1 Antibody | anti-SLC17A7 antibody

Goat anti-VGLUT1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA61853	Goat	Human, Mouse Expected from sequence similarity: Rat, Dog, Cow	Immunofluorescence, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

VGLUT1; Goat anti-VGLUT1 Antibody; SLC17A7; solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter); member 7; BNPI; brain-specific Na-dependent inorganic phosphate cotransporter; solute carrier family 17; vesicular glutamate transporter 1; anti-SLC17A7 antibody

PRODUCT SPECIFICATIONS

Host	Goat
Reactivity	Human, Mouse Expected from sequence similarity: Rat, Dog, Cow
Purity/Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Form/Format	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Concentration	100ug specific antibody in 200ul (varies by lot)
Applicable Applications for anti-SLC17A7 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA (Peptide ELISA)
Immunogen	Peptide with sequence C-HDQLAGSDDSEMED, from the internal region of the protein sequence according to NP_064705.1.
Epitope	internal region
Preparation and Storage	Aliquot and store at -20 degree C. Minimize freezing and thawing.

IMAGES



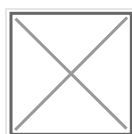
IHC (Immunohistochemistry)

AAA61853 (0.25ug/ml) staining of paraffin embedded Mouse Hypothalamus and Thalamus. Antigen retrieval at 80C for 30min with citrate buffer pH 6, HRP-staining (data kindly provided by Dr. E. Hrabovszky, Budapest, Hungary)



IHC (Immunohistochemistry)

AAA61853 (3.75ug/ml) staining of paraffin embedded Human Adrenal Cortex. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



IHC (Immunohistochemistry)

AAA61853 (3.75ug/ml) staining of paraffin embedded Human Cortex. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

ADDITIONAL INFORMATION

References	Eastwood SL, Harrison PJ; Decreased expression of vesicular glutamate transporter 1 and complexin II mRNAs in schizophrenia: further evidence for a synaptic pathology affecting glutamate neurons; Schizophr Res. 2005 Mar 1;73(2-3):159-72; PMID: 15653259
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NCBI AND UNIPROT INFORMATION

NCBI GI #	9945322
NCBI GeneID	57030
NCBI Accession #	NP_064705.1
NCBI GenBank Nucleotide #	NM_020309.3
Molecular Weight	59,887 Da
NCBI Official Full Name	vesicular glutamate transporter 1
NCBI Official Synonym Full Names	solute carrier family 17 member 7
NCBI Official Symbol	SLC17A7
NCBI Official Synonym Symbols	BNPI; VGLUT1
NCBI Protein Information	vesicular glutamate transporter 1

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://stage.aaabiotech.com/goat-slc17a7-cow-dog-human-mouse-rat-antibody/vglut1/61853>