

Rabbit VGLUT2 Polyclonal Antibody | anti-SLC17A6 antibody

VGLUT2 Antibody

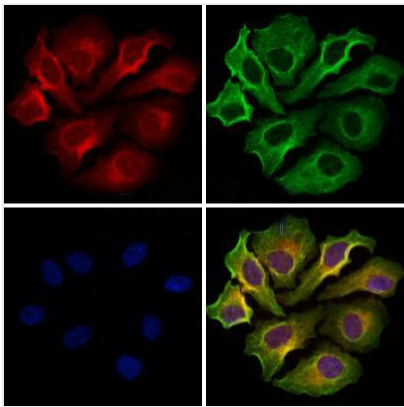
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA31194	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Bovine(100%), Horse(100%), Sheep(100%), Rabbit(100%), Dog(100%)	Immunofluorescence, Immunocytochemistry, ELISA

PRODUCT SYNONYMS

VGLUT2; Polyclonal Antibody; VGLUT2 Antibody; Differentiation associated BNPI; Differentiation associated Na dependent inorganic phosphate cotransporter; Differentiation associated Na(+) dependent inorganic phosphate cotransporter; Differentiation-associated BNPI; Differentiation-associated Na(+)-dependent inorganic phosphate cotransporter; DNPI; SLC17A6; Sodium dependent inorganic phosphate cotransporter; Solute carrier family 17 (Sodium dependent inorganic phosphate cotransporter) member 6; Solute carrier family 17 member 6; Vesicular glutamate transporter 2; Vesicular glutamate transporter type 2; VGLU2_HUMAN; VGLUT 2; VGluT2; anti-SLC17A6 antibody

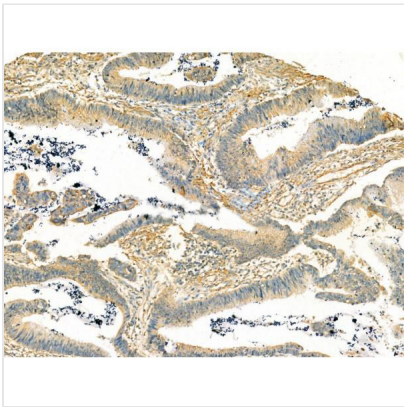
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Bovine(100%), Horse(100%), Sheep(100%), Rabbit(100%), Dog(100%)
Clonality	Polyclonal
Isotype	IgG
Specificity	VGLUT2 Antibody detects endogenous levels of total VGLUT2.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	582
Applicable Applications for anti-SLC17A6 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), ELISA
Application Notes	IF: 1:100-1:500 ICC: 1:100-1:500 WB: 1:500-1:2000 IHC: 1:50-1:200 ELISA(peptide): 1:20,000-1:40,000
Immunogen	A synthesized peptide derived from human VGLUT2, corresponding to a region within N-terminal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



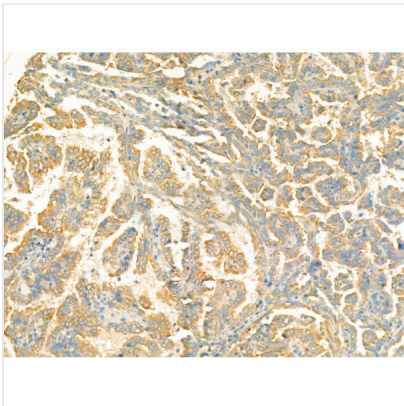
IF (Immunofluorescence)

AAA31194 staining HeLa cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(AAA31194 1:200) and mouse anti-beta tubulin Ab(T0023 1:200) for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody. The nuclear counter stain is DAPI(blue).



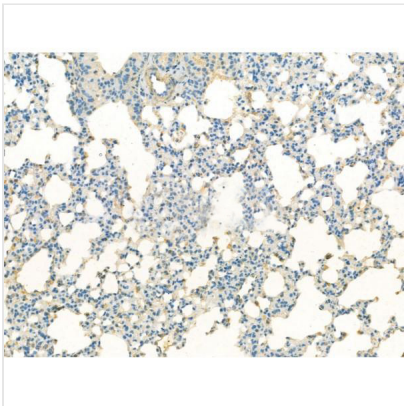
IHC (Immunohistochemistry-Paraffin)

AAA31194 at 1/100 staining Human colorectal cancer by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



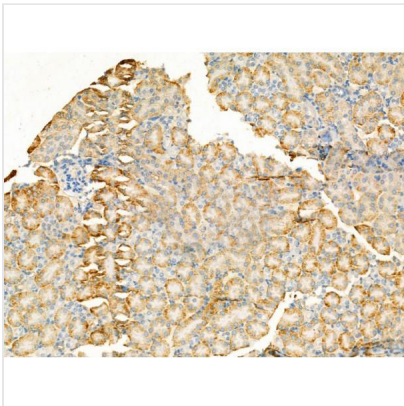
IHC (Immunohistochemistry-Paraffin)

AAA31194 at 1/100 staining Human kidney cancer by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



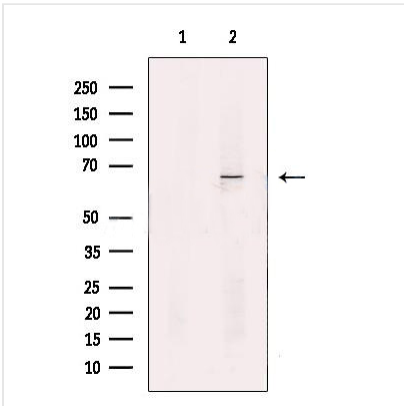
IHC (Immunohistochemistry-Paraffin)

AAA31194 at 1/100 staining Mouse lung tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry-Paraffin)

AAA31194 at 1/100 staining Mouse kidney tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from Mouse Cerebellum, using VGLUT2 Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-SLC17A6 antibody	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. Subcellular Location: Cytoplasmic vesicle>Secretory vesicle>Synaptic vesicle membrane. Membrane>Multi-pass membrane protein. Cell junction>Synapse>Synaptosome. Tissue Specificity: Predominantly expressed in adult brain. Expressed in amygdala, caudate nucleus, cerebral cortex, frontal lobe, hippocampus, medulla, occipital lobe, putamen, spinal cord, substantia nigra, subthalamic nucleus, temporal lobe and thalamus. Similarity: Belongs to the major facilitator superfamily. Sodium/anion cotransporter family. VGLUT subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	9966811
NCBI GeneID	57084
NCBI Accession #	NP_065079.1
NCBI GenBank Nucleotide #	NP_065079.1
UniProt Accession #	Q9P2U8
Molecular Weight	Observed Molecular Weight: (Observed)64kD. Predicted Molecular Weight: (Calculated)64kDa.
NCBI Official Full Name	vesicular glutamate transporter 2
NCBI Official Synonym Full Names	solute carrier family 17 member 6
NCBI Official Symbol	SLC17A6
NCBI Official Synonym Symbols	DNPI; VGLUT2
NCBI Protein Information	vesicular glutamate transporter 2
UniProt Protein Name	Vesicular glutamate transporter 2
UniProt Gene Name	SLC17A6
UniProt Synonym Gene Names	DNPI; VGLUT2; VGluT2
UniProt Entry Name	VGLU2_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/polyclonal/vglut2-antibody-immunofluorescence-immunocytochemistry-elisa/31194>