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Datasheet for ABIN7043719 anti-SLC32A1 antibody (Cytosolic, N-Term)



3 Images



overview	
Quantity:	25 μL
Target:	SLC32A1
Binding Specificity:	AA 106-120, Cytosolic, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SLC32A1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)
Product Details	
Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)GEFGGHDKPKITAWE, corresponding to amino acid residues 106- 120 of rat vesicular GABA transporter
Isotype:	lgG
Characteristics:	Anti-Vesicular GABA Transporter (VGAT) Antibody (ABIN7043719, ABIN7044467 and ABIN7044468)) is a highly specific antibody directed against an epitope of the rat protein. The antibody can be used in western blot, immunohistochemistry, and immunocytochemistry applications. It has been designed to recognize VGAT from human, mouse, and rat samples.
Purification:	Affinity purified on immobilized antigen.

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Target Details

Target:	SLC32A1
Alternative Name:	Vesicular GABA Transporter (VGAT) (SLC32A1 Products)
Background:	Alternative names: Vesicular GABA Transporter (VGAT), Vesicular inhibitory amino acid transporter, VIAAT, GABA and glycine transporter, SLC32A1
Gene ID:	83612
NCBI Accession:	NM_080552
UniProt:	O35458

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	25 μL , 50 μL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	1 mg/mL
Buffer:	Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	RT,4 °C,-20 °C
Storage Comment:	Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C. Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).

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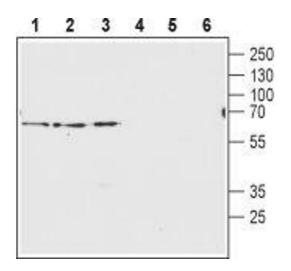




Image 1. Western blot analysis of rat brain membranes (lanes 1 and 4), mouse brain membranes (lanes 2 and 5) and human U-87 MG glyoblastoma lysates (lanes 3 and 6): -GABA 1-3. Anti-Vesicular Transporter (VGAT) Antibody (ABIN7043719, ABIN7044467 and ABIN7044468), (1:200).4-6. Anti-Vesicular GABA Transporter (VGAT) Antibody, preincubated with Vesicular GABA Transporter/VGAT Blocking Peptide (#BLP-GT005).

Immunocytochemistry

Image 2. Colocalization of GluR1 and Vesicular GABA Transporter in human U-87 MG cells - Immunocytochemical staining of human glioblastoma U-87 MG. Extracellular staining of live intact cells with Guinea pig Anti-GluR1 Antibody (ABIN7043224, (GluA1) (extracellular) ABIN7045369 and ABIN7045370), (1:25), followed by goat anti-guinea pig-AlexaFluor-488 secondary antibody (green). Cells were subsequently fixed, permeabilized and labeled (VGAT) with Anti-Vesicular GABA Transporter Antibody (ABIN7043719, ABIN7044467 and ABIN7044468), (1:200), followed by goat anti-rabbit-AlexaFluor-594 secondary antibody (red). Representative merged images of the double labeled cells are shown in A and B.

Immunohistochemistry

Image 3. Expression of Vesicular GABA Transporter in rat cerebellum - Immunohistochemical staining of rat frozen cerebellum sections using Anti-Vesicular GABA Transporter (VGAT) Antibody (ABIN7043719, ABIN7044467 and ABIN7044468), (1:100). VGAT staining is shown in red and dapi (blue) was used as a general cellular marker. VGAT appears in the cerebellar pinceau (arrows) and in the soma of Purkinje cells (triangles).

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