Datasheet for ABIN6952134

anti-SLC32A1 antibody (N-Term) (PerCP)

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1 Image

Overview

Quantity:	100 µg
Target:	SLC32A1
Binding Specificity:	N-Term
Reactivity:	Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This SLC32A1 antibody is conjugated to PerCP
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Synthetic peptide from the N-terminal region of Mouse VGAT protein
Clone:	D9
Isotype:	IgG2a
Specificity:	Retina. Expressed throughout the horizontal cells and/or terminals.,Detects 57 kDa.
Cross-Reactivity:	Mouse, Rat
Purification:	Protein A Purified

Target Details

Target:	SLC32A1
Alternative Name:	VGAT (SLC32A1 Products)

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Target Details

Background:	Vesicular GABA Transporter (VGAT) homologue is a 525 amino acid long protein belonging to the family of neurotransmitter transporters. VGAT functions in the uptake of GABA and glycine into synaptic vesicles. Since the protein is bound to synaptic vesicles, VGAT antibodies are excellent markers of presynaptic GABAergic and glycinergic neurons.
Gene ID:	22348
NCBI Accession:	NP_033534
UniProt:	O35633
Pathways:	Proton Transport

Application Details

Application Notes:	• WB (1:500) • optimal dilutions for assays should be determined by the user.
Comment:	A 1:500 dilution of ABIN6952134 was sufficient for detection of VGAT in 15 ug of Rat Brain Membrane by ECL immunoblot analysis using goat anti-mouse IgG:HRP as the secondary antibody.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS pH 7.4, 50 % glycerol, 0.09 % Sodium azide, Storage buffer may change when conjugated
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:	4 °C
Storage Comment:	Conjugated antibodies should be stored at 4°C

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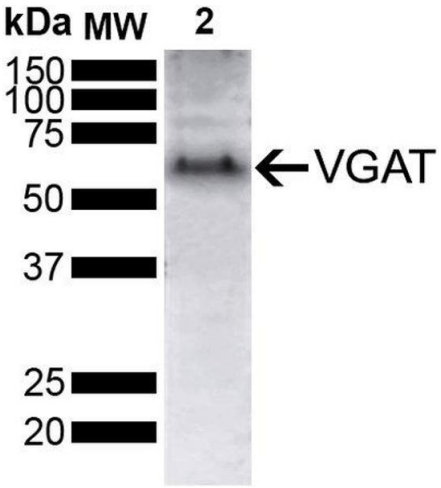

Western Blotting

Image 1. Western Blot analysis of Rat brain membrane showing detection of VGAT protein using Mouse Anti-VGAT Monoclonal Antibody, Clone D9 (ABIN6952134). Load: 15 µg. Primary Antibody: Mouse Anti-VGAT Monoclonal Antibody (ABIN6952134) at 1:500 for 2 hours at RT with shaking. Secondary Antibody: Goat anti-mouse IgG:HRP at 1:4000 for 1 hour at RT with shaking. Color Development: Chemiluminescent for HRP (Moss) for 5 min in RT.

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