

**DATASHEET**

**VGAT Rabbit Polyclonal Antibody**

CAT. NO. APA12697

**KEY FEATURES**

Target	VGAT	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at-20°C

**BACKGROUND**

Antiporter that exchanges vesicular protons for cytosolic 4-aminobutanoate or to a lesser extent glycine, thus allowing their secretion from nerve terminals. The transport is equally dependent on the chemical and electrical components of the proton gradient. May also transport beta-alanine. Acidification of GABAergic synaptic vesicles is a prerequisite for 4-aminobutanoate uptake.

**APPLICATION**

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
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\*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

**PRODUCT OVERVIEW**

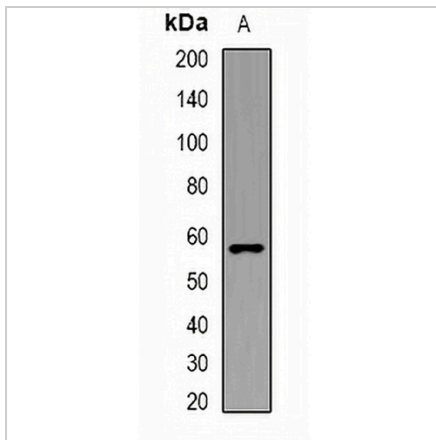
Description	Rabbit polyclonal antibody to VGAT
Specificity	Recognizes endogenous levels of VGAT protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human VGAT
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 57 kD; Observed: 57 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	VGAT; VIAAT; Vesicular inhibitory amino acid transporter; GABA and glycine transporter; Solute carrier family 32 member 1; Vesicular GABA transporter; hVIAAT
Gene Symbol	SLC32A1
Entrez Gene	140679(Human); 22348(Mouse); 83612(Rat)
SwissProt	Q9H598(Human); O35633(Mouse); O35458(Rat)

\*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact [info@arexbio.com](mailto:info@arexbio.com) or your local distributor.

\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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**DATA**

Western blot analysis of VGAT expression in mouse eye (A) whole cell lysates. (Predicted band size: 57 kD; Observed band size: 57 kD)

**STORAGE**

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

**NOTE**

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.