

Anti-VGAT (VIAAT) (vesicular GABA transporter)

Product Information:

1)	Catalog #:	MSFR106110
	Item Name:	VGAT (VIAAT)pAb (Rb) 20ug
	Size :	20µg (affinity-purified with antigen polypeptide)
	Species :	Rabbit
	Product Code :	VGAT-Rb-Af500
	RRID :	AB_2571622
2)	Catalog #:	MSFR106120
	Item Name:	VGAT (VIAAT)pAb (Rb) 50ug
	Size :	50µg (affinity-purified with antigen polypeptide)
	Species :	Rabbit
	Product Code :	VGAT-Rb-Af500
	RRID :	AB_2571622
3)	Catalog #:	MSFR106130
	Item Name:	VGAT (VIAAT) pAb (Go) 20ug
	Size :	20µg (affinity-purified with antigen polypeptide)
	Species :	Goat
	Product Code :	VGAT-Go-Af620
	RRID :	AB_2571623
4)	Catalog #:	MSFR106140
	Item Name:	VGAT (VIAAT) pAb (Go) 50ug
	Size :	50µg (affinity-purified with antigen polypeptide)
	Species :	Goat
	Product Code :	VGAT-Go-Af620
	RRID :	AB_2571623
5)	Catalog #:	MSFR106150
	Item Name:	VGAT (VIAAT) pAb (GP) 20ug
	Size :	20µg (affinity-purified with antigen polypeptide)
	Species :	Guinea pig
	Product Code :	VGAT-GP-Af1000
	RRID :	AB_2571624
6)	Catalog #:	MSFR106160
	Item Name:	VGAT (VIAAT) pAb (GP) 50ug
	Size :	50µg (affinity-purified with antigen polypeptide)
	Species :	Guinea pig
	Product Code :	VGAT-GP-Af1000
	RRID :	AB_2571624

Formulation : Liquid ; 200 µg/ml in PBS with 0.05% NaN₃.

(affinity-purified with antigen polypeptide)

Storage : Store at cool temp (2-10°C).

The antibody can be stored at 2-10°C. The antibody can be also aliquoted and stored at -80°C for long-term storage. Avoid repeated freeze-thawing. Non-hazardous. No MSDS required.

Species : rabbit / guinea pig / goat , polyclonal

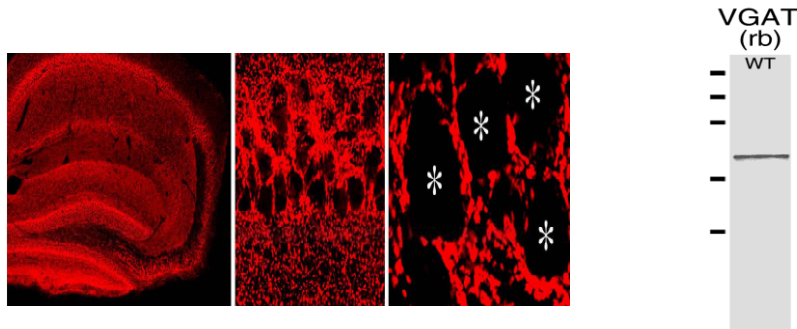
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Antigen : mouse VGAT, 31-112 aa (BC052020)

Specificity : mouse (others not tested)

Immunoblot detects a single protein band at 57 kDa.

This selectively stains GABAergic neurons, particularly their terminals.



Applications : In general, affinity-purified antibody is used at around 1 microgram/ml for immunoblot and immunohistochemistry. The most appropriate concentration should be determined by users, because it depends on contents in given cells, tissues and organs.

Research Use : For research use only, not for use in diagnostic procedures.

Remarks : Rabbit, guinea pig and goat antibodies are similar in the titer and specificity.

Reference : 1) Fukudome, Y., Ohno-Shosaku, T., Matsui, M., Omori, Y., Fukaya, M., Taketo, M., Watanabe, M., Manabe, M., Kano, M. (2004) Two distinct classes of muscarinic action on hippocampal inhibitory synapses: M2-mediated direct suppression and M1/M3-mediated indirect suppression through endocannabinoid signaling. **Eur. J. Neurosci.** 19:2682-2692.
2) Miyazaki, T., Fukaya, M., Shimizu, H., Watanabe, M. (2003) Developmental switching of vesicular glutamate transporters at parallel fiber-Purkinje cell synapses. **Eur. J. Neurosci** 17:2563-2572.
3) Miura, E., Fukaya, M., Sato, T., Sugihara, K., Asano, M., Yoshioka, K., Watanabe, M. (2006) Expression and distribution of JNK/SAPK-associated scaffold protein JSAP1 in developing and adult mouse brain. **J. Neurochem.** 97:1431-1446.

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