

Anti-VGluT1

(vesicular glutamate transporte-1)

Product Information:

1)	Catalog #:	MSFR106180
	Item Name:	VGluT1 pAb (Rb) 20ug
	Size :	20µg (affinity-purified with antigen polypeptide)
	Species :	Rabbit
	Product Code :	VGluT1-Rb-Af500
	RRID :	AB_2571616
2)	Catalog #:	MSFR106190
	Item Name:	VGluT1 pAb (Rb) 50ug
	Size :	50µg (affinity-purified with antigen polypeptide)
	Species :	Rabbit
	Product Code :	VGluT1-Rb-Af500
	RRID :	AB_2571616
3)	Catalog #:	MSFR106200
	Item Name:	VGluT1 pAb (Go) 20ug
	Size :	20µg (affinity-purified with antigen polypeptide)
	Species :	Goat
	Product Code :	VGluT1-Go-Af310
	RRID :	AB_2571617
4)	Catalog #:	MSFR106210
	Item Name:	VGluT1 pAb (Go) 50ug
	Size :	50µg (affinity-purified with antigen polypeptide)
	Species :	Goat
	Product Code :	VGluT1-Go-Af310
	RRID :	AB_2571617
5)	Catalog #:	MSFR107430
	Item Name:	VGluT1 pAb (GP) 20ug
	Size :	20µg (affinity-purified with antigen polypeptide)
	Species :	Guinea pig
	Product Code :	VGluT1-GP-Af1650
	RRID :	AB_2571618
6)	Catalog #:	MSFR107440
	Item Name:	VGluT1 pAb (GP) 50ug
	Size :	50µg (affinity-purified with antigen polypeptide)
	Species :	Guinea pig
	Product Code :	VGluT1-GP-Af1650
	RRID :	AB_2571618

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

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

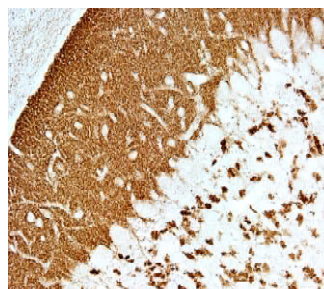
Antigen : Mouse VGluT1, C-terminal 531-560 aa (BC054462)

ご注意 : 本商品には 0.1 % 未満のアジ化ナトリウムが入っています。誤って目や口に入ったり、皮膚に付着した場合は大量の水で洗い流してください。

Specificity : mouse (others not tested)

Immunoblot detects a single protein band at 60 kDa.

This selectively stains distinct populations of glutamatergic neurons, particularly their terminals. This is also useful marker to visualize parallel fiber terminals innervating Purkinje cells and corticostriatal afferent 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 and guinea pig antibodies are similar in the titer and specificity.

Notice : When using goat VGluT1 antibody for multiple immunofluorescence, mixture of primary antibodies is better to be avoided. By unknown reason, secondary antibodies produced in non-goat species happen to cross-react to goat VGluT1 antibody in some, not all, cases. Step-wise method in multiple immunofluorescence can overcome this problem. Namely, immunoreaction with goat VGluT1 antibody and detection with fluorophore-conjugated anti-goat IgG is performed first, followed by the second round of immunoreaction with other primary antibodies.

Reference : 1) 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.

2) Kawamura, Y., Fukaya, M., Maejima, T., Yoshida, T., Miura, E., Watanabe, M., Ohno-Shosaku, T., Kano, M. (2006) CB1 is the major cannabinoid receptor at excitatory presynaptic site in the hippocampus and cerebellum. **J. Neurosci.**, 26:2991-3001.

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.

ご注意 : 本商品には 0.1 % 未満のアジ化ナトリウムが入っています。 誤って目や口に入ったり、皮膚に付着した場合は大量の水で洗い流してください。