

## *Anti-GLAST*

*(plasmalemmal glutamate transporter GLAST)*

### Product Information:

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1)	<b>Catalog #:</b>	MSFR102120
	<b>Item Name:</b>	GLAST pAb (Rb) 20ug
	<b>Size :</b>	20µg (affinity-purified with antigen polypeptide)
	<b>Species :</b>	Rabbit
	<b>Product Code :</b>	GLAST-Rb-Af660
	<b>RRID :</b>	AB_2571715
2)	<b>Catalog #:</b>	MSFR102130
	<b>Item Name:</b>	GLAST pAb (Rb) 50ug
	<b>Size :</b>	50µg (affinity-purified with antigen polypeptide)
	<b>Species :</b>	Rabbit
	<b>Product Code :</b>	GLAST-Rb-Af660
	<b>RRID :</b>	AB_2571715
3)	<b>Catalog #:</b>	MSFR102140
	<b>Item Name:</b>	GLAST pAb (Go) 20ug
	<b>Size :</b>	20µg (affinity-purified with antigen polypeptide)
	<b>Species :</b>	Goat
	<b>Product Code :</b>	GLAST-Go-Af960
	<b>RRID :</b>	AB_2571716
4)	<b>Catalog #:</b>	MSFR102150
	<b>Item Name:</b>	GLAST pAb (Go) 50ug
	<b>Size :</b>	50µg (affinity-purified with antigen polypeptide)
	<b>Species :</b>	Goat
	<b>Product Code :</b>	GLAST-Go-Af960
	<b>RRID :</b>	AB_2571716
5)	<b>Catalog #:</b>	MSFR102160
	<b>Item Name:</b>	GLAST pAb (GP) 20ug
	<b>Size :</b>	20µg (affinity-purified with antigen polypeptide)
	<b>Species :</b>	Guinea pig
	<b>Product Code :</b>	GLAST-GP-Af1000
	<b>RRID :</b>	AB_2571717
6)	<b>Catalog #:</b>	MSFR102170
	<b>Item Name:</b>	GLAST pAb (GP) 50ug
	<b>Size :</b>	50µg (affinity-purified with antigen polypeptide)
	<b>Species :</b>	Guinea pig
	<b>Product Code :</b>	GLAST-GP-Af1000
	<b>RRID :</b>	AB_2571717

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**Formulation :** Liquid ; 200 µg/ml in PBS with 0.05% NaN<sub>3</sub>.

**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

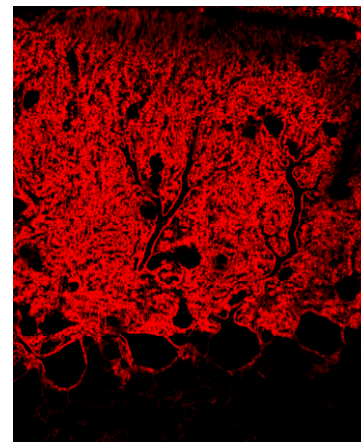
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**Antigen** : mouse GLAST, C-terminal 41aa  
(NM148938)

**Specificity** : mouse (others not tested)

Immunoblot detects a single protein band at 60-65 kDa.  
This selectively stains the radial glia-astrocyte lineage in the central nervous system.

**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 titer and specificity.

**Reference** : 1) Shibata, T., Yamada, K., Watanabe, M., Ikenaka, K., Wada, K., Tanaka, K., and Inoue, Y. (1997) Glutamate transporter GLAST is expressed in the radial glia-astrocyte lineage of developing mouse spinal cord. **J. Neurosci.** 17:9212-9219.

2) Yamada, K., Fukaya, M., Shibata, T., Kurihara, H., Tanaka, K., Inoue, Y., Watanabe, M. (2000) Dynamic transformation of Bergmann glial fibers proceeds in correlation with dendritic outgrowth and synapse formation of cerebellar Purkinje cells. **J. Comp. Neurol.** 418:106-120.

3) Watase, K., Hashimoto, K., Kano, M., Yamada, K., Watanabe, M., Inoue, Y., Okuyama, S., Sakagawa, T., Ogawa, S., Kawashima, N., Hori, S., Takimoto, M., Wada, K., and Tanaka, K. (1998) Motor discoordination and increased susceptibility to cerebellar injury in GLAST mutant mice. **Eur. J. Neurosci.** 10:976-988.

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