

Anti-GluA4C (GluR4C)

(AMPA-type glutamate receptor subunit-4)

Product Information:

1)	Catalog #:	MSFR102400
	Item Name:	GluA4C (GluR4C) pAb (Rb) 20ug
	Size :	20µg (affinity-purified with antigen polypeptide)
	Species :	Rabbit
	Product Code :	GluR4C-Rb-Af160
	RRID :	AB_2571755
2)	Catalog #:	MSFR102410
	Item Name:	GluA4C (GluR4C) pAb (Rb) 50ug
	Size :	50µg (affinity-purified with antigen polypeptide)
	Species :	Rabbit
	Product Code :	GluR4C-Rb-Af160
	RRID :	AB_2571755
3)	Catalog #:	MSFR107370
	Item Name:	GluA4C (GluR4C) pAb (Rb)
	Size :	20µg (affinity-purified with antigen polypeptide)
	Species :	Rabbit
	Product Code :	GluR4C-Rb-Af980
	RRID :	AB_2864355
4)	Catalog #:	MSFR107380
	Item Name:	GluA4C (GluR4C) pAb (Rb)
	Size :	50µg (affinity-purified with antigen polypeptide)
	Species :	Rabbit
	Product Code :	GluR4C-Rb-Af980
	RRID :	AB_2864355

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

Storage: Store at cool temperature. (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, polyclonal

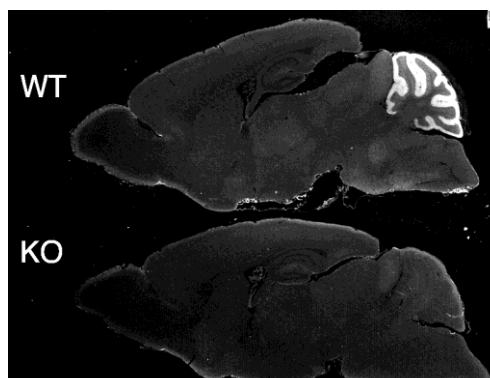
Antigen: mouse GluA4, 849-902 aa

(AB022913, LTFSEAIRNKARLSITGS
VGENGRVLTPDCPKAVHTGTAIRQSS
GLAVIASDLP)

Specificity: mouse (others not tested)

Immunoblot detects a single protein band
at 100kDa. No cross reactivity to other GluRs.

Lack of signal in GluA4-KO brain.



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。

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.

Remarks: For immunohistochemistry for neuronal iGluRs, users should adopt postembedding immunogold for electron microscopic detection and protease predigestion for light microscopic detection (see the below reference). For glial GluR, these antigen-exposing methods are not necessary (unpublished information).

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

Reference : 1) Nagy, G.G., Al-Ayyan, M., Andrew, D., Fukaya, M., Watanabe, M., Todd, A.J. (2004) Widespread expression of the AMPA receptor GluR2 subunit at glutamatergic synapses in the rat spinal cord and phosphorylation of GluR1 in response to noxious stimulation revealed with an antigen unmasking method. **J. Neurosci.** 24:5766-5777.
2) Hashimoto, K., Fukaya, M., Qiao, X., Sakimura, K., Watanabe, M., and Kano, M. (1999) Impairment of AMPA receptor function in cerebellar granule cells of ataxic mutant mouse Stargazer. **J. Neurosci.** 19:6027-6036.
3) Yamazaki M, Fukaya M, Hashimoto K, Yamasaki M, Tsujita M, Itakura M, Abe M, Natsume R, Takahashi M, Kano M, Sakimura K, Watanabe M: TARPs gamma-2 and gamma-7 are essential for AMPA receptor expression in the cerebellum. **Eur J. Neurosci.** 31:2204-222, 2010.
4) Yamasaki M, Miyazaki T, Azechi H, Abe M, Natsume R, Hagiwara T, Aiba A, Mishina M, Sakimura K, Watanabe M: Glutamate receptor GluR2 is essential for input pathway-dependent regulation of synaptic AMPAR contents in cerebellar Purkinje cells. **J. Neurosci.** 31:3362-3374, 2011.

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