

Anti-mGluR1 α

(metabotropic glutamate receptor-1 α)

Product Information:

1)	Catalog #:	MSFR104030
	Item Name:	mGluR1 α pAb (Rb) 20ug
	Size :	20 μ g (affinity-purified with antigen polypeptide)
	Species :	Rabbit
	Product Code :	mGluR1 α -Rb-Af811
	RRID :	AB_2571799
2)	Catalog #:	MSFR104040
	Item Name:	mGluR1 α pAb (Rb) 50ug
	Size :	50 μ g (affinity-purified with antigen polypeptide)
	Species :	Rabbit
	Product Code :	mGluR1 α -Rb-Af811
	RRID :	AB_2571799
3)	Catalog #:	MSFR104050
	Item Name:	mGluR1 α pAb (Go) 20ug
	Size :	20 μ g (affinity-purified with antigen polypeptide)
	Species :	Goat
	Product Code :	mGluR1 α -Go-Af1220
	RRID :	AB_2571800
4)	Catalog #:	MSFR104060
	Item Name:	mGluR1 α pAb (Go) 50ug
	Size :	50 μ g (affinity-purified with antigen polypeptide)
	Species :	Goat
	Product Code :	mGluR1 α -Go-Af1220
	RRID :	AB_2571800
5)	Catalog #:	MSFR104070
	Item Name:	mGluR1 α pAb (GP) 20ug
	Size :	20 μ g (affinity-purified with antigen polypeptide)
	Species :	Guinea pig
	Product Code :	mGluR1 α -GP-Af660
	RRID :	AB_2571801
6)	Catalog #:	MSFR104080
	Item Name:	mGluR1 α pAb (GP) 50ug
	Size :	50 μ g (affinity-purified with antigen polypeptide)
	Species :	Guinea pig
	Product Code :	mGluR1 α -GP-Af660
	RRID :	AB_2571801

Formulation : Liquid ; 200 μ g/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

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。

Antigen : mouse mGluR1a,
945-1127 aa (NM_016976)

Specificity : mouse (others not tested)
Immunoblot detects a single protein band at 145 kDa with no cross reactivity to mGluR5.

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 : All rabbit, guinea pig and goat antibodies are similar in titer and specificity.

Reference : 1) Tanaka, J., Nakagawa, S., Yamasaki, M., Fukaya, M., Iwanaga, T., Sakimura, K., Kano, M., Simon, M.I., Inoue, Y., Watanabe, M. (2000) Gq protein α subunits $G\alpha_q$ and $G\alpha_{11}$ are localized at postsynaptic extra-junctional membrane of cerebellar Purkinje cells and hippocampal pyramidal cells. **Eur. J. Neurosci.** 12:781-792.
2) Nakamura, M., Sato, K., Fukaya, M., Araishi, K., Aiba, A., Kano, M., Watanabe, M. (2004) Signaling complex formation of phospholipase C β_4 with mGluR1 α and IP3R1 at the perisynapse and endoplasmic reticulum in the mouse brain. **Eur. J. Neurosci** 20:2929-2944
3) Yoshida, T., Fukaya, M., Uchigashima, M., Kamiya, H., Kano, M., Watanabe, M. (2006) Localization of diacylglycerol lipase- α around postsynaptic spine suggests close proximity between production site of an endocannabinoid, 2-arachidonoyl-glycerol, and presynaptic cannabinoid CB1 receptor. **J. Neurosci.** 26: 4740-4751.

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