

## *Anti-mGluR5*

*(metabotropic glutamate receptor-5)*

### Product Information:

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1) <b>Catalog #:</b>	MSFR104130
<b>Item Name:</b>	mGluR5 pAb (Rb) 20ug
<b>Size :</b>	20µg (affinity-purified with antigen polypeptide)
<b>Species :</b>	Rabbit
<b>Product Code :</b>	mGluR5-Rb-Af300
<b>RRID :</b>	AB_2571802
2) <b>Catalog #:</b>	MSFR104140
<b>Item Name:</b>	mGluR5 pAb (Rb) 50ug
<b>Size :</b>	50µg (affinity-purified with antigen polypeptide)
<b>Species :</b>	Rabbit
<b>Product Code :</b>	mGluR5-Rb-Af300
<b>RRID :</b>	AB_2571802
3) <b>Catalog #:</b>	MSFR104150
<b>Item Name:</b>	mGluR5 pAb (Go) 20ug
<b>Size :</b>	20µg (affinity-purified with antigen polypeptide)
<b>Species :</b>	Goat
<b>Product Code :</b>	mGluR5-Go-Af540
<b>RRID :</b>	AB_2571803
4) <b>Catalog #:</b>	MSFR104160
<b>Item Name:</b>	mGluR5 pAb (Go) 50ug
<b>Size :</b>	50µg (affinity-purified with antigen polypeptide)
<b>Species :</b>	Goat
<b>Product Code :</b>	mGluR5-Go-Af540
<b>RRID :</b>	AB_2571803

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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

**Antigen :** mouse mGluR5, C-terminal  
1144-1171 aa (D10891)



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

Immunoblot detects a single protein band at 160 kDa with no cross reactivity to mGluR1. The specificity was verified by blank staining in mGluR5-KO brain.

**Applications :** In general, affinity-purified antibody is used at around 1 microgram/ml for

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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) Tanaka, J., Nakagawa, S., Yamasaki, M., Fukaya, M., Iwanaga, T., Sakimura, K., Kano, M., Simon, M.I., Inoue, Y., Watanabe, M. (2000) Gq protein  $\alpha$  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) Uchigashima M, Narushima M, Fukaya M, Katona I, Kano M, Watanabe M: Subcellular arrangement of molecules for 2-arachidonoyl-glycerol-mediated retrograde signaling and its physiological contribution to synaptic modulation in the striatum. **J. Neurosci.** in press.

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