

mGLuR4 Recombinant Rabbit Monoclonal Antibody (6H26L4)

Product Details	
Size	100 µg
Species Reactivity	Human, Rat
Host/Isotype	Rabbit / IgG
Expression system	Expi293
Class	Recombinant Monoclonal
Type	Antibody
Clone	6H26L4
Conjugate	Unconjugated
Immunogen	Peptide corresponding to human mGLUR4 [aa891-aa912]
Form	Liquid
Concentration	0.5 mg/mL
Purification	Protein A
Storage buffer	PBS, pH 7.4
Contains	0.09% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2734819

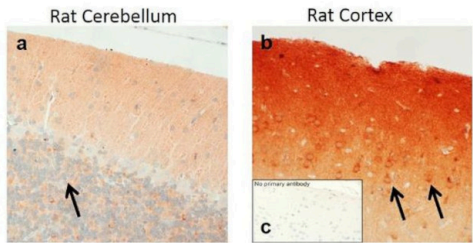
Applications	Tested Dilution	Publications
Western Blot (WB)	1:500	-
Immunohistochemistry (IHC)	1:500	-
Immunocytochemistry (ICC/IF)	1:500	-

Product Specific Information

This antibody is predicted to react with Monkey, Pig, Rabbit, Cat.

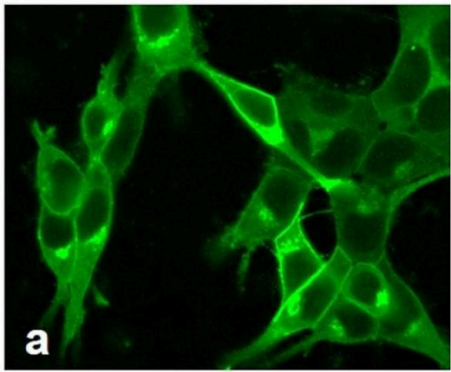
Recombinant rabbit monoclonal antibodies are produced using in vitro expression systems. The expression systems are developed by cloning in the specific antibody DNA sequences from immunoreactive rabbits. Then, individual clones are screened to select the best candidates for production. The advantages of using recombinant rabbit monoclonal antibodies include: better specificity and sensitivity, lot-to-lot consistency, animal origin-free formulations, and broader immunoreactivity to diverse targets due to larger rabbit immune repertoire.

Product Images For mGluR4 Recombinant Rabbit Monoclonal Antibody (6H26L4)



mGluR4 Antibody (702603) in IHC

Sections of Rat cerebellum & cortex were dewaxed, microwaved in citric acid and incubated with Anti- mGluR4 Recombinant Rabbit Monoclonal Antibody (Product # 702603, 1 µg/mL, 1:500 dilution). Sections were then sequentially treated with biotinylated Anti-rabbit IgG and AB solution. Sections were further developed in AEC and lightly counterstained with hematoxylin. Panel a & b) shows the specific localization of mGluR4 in neuronal stomata and dendrites in cerebellum and cortex respectively. Panel c) shows the no primary antibody control.

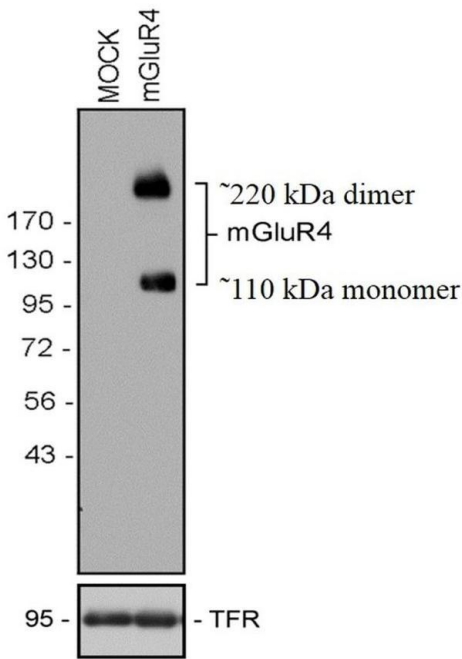


mGluR4 Antibody (702603) in ICC/IF

For immunofluorescence analysis, HEK-293 cells were stably transfected with human mGluR4. After 24hr of transfection the cells were fixed and permeabilized for detection of endogenous mGluR4 using Anti-mGluR4 Recombinant Rabbit Monoclonal Antibody (Product # 702603, 1 µg/mL, 1:500 dilution) and labeled with Goat anti-Rabbit IgG (H+L) Superclonal™ Secondary Antibody, Alexa Fluor® 488 conjugate. Panel a) shows representative cells that were stained for detection of membrane localization of the mGluR4 on the transfected cells. The images were captured at 40X magnification.

mGluR4 Antibody (702603) in WB

Western blot analysis was performed on HEK-293 cells stably transfected with human mGluR4 (Lane 2) and Mock (Lane 1). Receptors were eluted from the beads using SDS sample buffer for 20 min at 45 °C. Extracts were separated on 7.5% SDS-polyacrylamide gels and blotted onto PVDF membranes. The blot was probed with Anti-mGluR4 Recombinant Rabbit Monoclonal Antibody (Product # 702603, 1 µg/mL, 1:500 dilution). 110 kDa and 220 kDa bands corresponding to the monomeric and dimeric forms of mGluR4 was observed in the transfected cell line.



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