

mGluR-5 Rabbit monoclonal antibody

Catalog: BS9933M

Host: Rabbit

Reactivity: Human, Mouse, Rat

Background:

The mGluR proteins (metabotropic glutamate receptors) are members of the G protein-coupled receptor family and are functionally and pharmacologically distinct from the GluR proteins (ionotropic glutamate receptors). The eight currently known mGluR proteins are mediated by two G proteins with opposing regulation of adenylate cyclase pathways. The activities of mGluR-1 and mGluR-5 are mediated by a G protein that activates a phosphatidylinositolcalcium second messenger system and generates a calcium-activated chloride current. The remainder of the eight subtypes of mGluR have an activity mediated by a G protein that inhibits adenylate cyclase activity. mGluR-3, which may interact with GRASP, acts as a receptor for glutamate.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 132 kDa

Swiss-Prot:

P41594

Purification&Purity:

Protein A affinity purified

Applications:

WB: 1:1000-1:2000

ICC/IF: 1:50-1:200

IHC: 1:200-1:500

FC: 1:50-1:100

Storage&Stability:

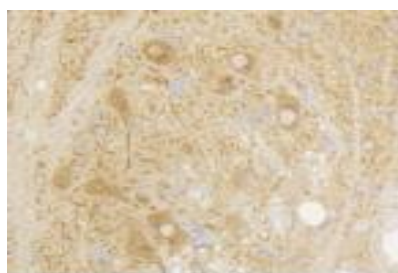
Store at 4 °C short term. Aliquot and store at -20 °C long

term. Avoid freeze-thaw cycles.

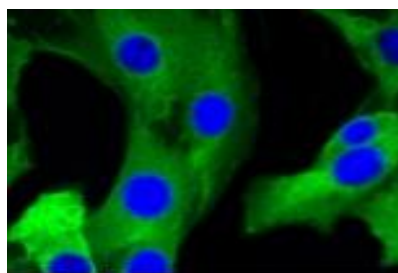
Specificity:

This antibody detects endogenous levels of mGluR-5 and does not cross-react with related proteins.

DATA:



Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-mGluR-5 antibody. Counter stained with hematoxylin.



ICC staining mGluR-5 in SHG-44 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton *100/PBS.

Note:

For research use only, not for use in diagnostic procedure.

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