

## mGluR-5 (K56) polyclonal antibody

Catalog: BCP01095

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:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

IF: 1:50~1:200

### Storage&Stability:

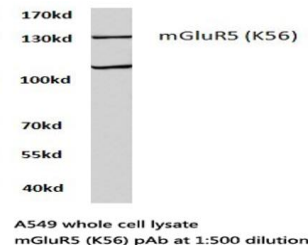
Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

mGluR5 (K56) polyclonal antibody detects endogenous

levels of mGluR5 protein.

### DATA:



Western blot (WB) analysis of mGluR-5 (K56) pAb at 1:500 dilution

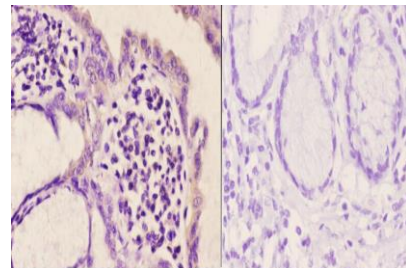
Lane1:C6 whole cell lysate(40ug)

Lane2:BV2 whole cell lysate(40ug)

Lane3:HEK293T whole cell lysate(10ug)

Lane4:SK-OVCAR3 whole cell lysate(40ug)

Lane5:L02 whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of mGluR-5 (K56) pAb in paraffin-embedded human esophageal carcinoma tissue at 1:50. showing cell membrane staining. Negative control (the right) Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.

### Note:

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