

## GPR38 polyclonal antibody

Catalog: BS5749

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

Motilin is a widely conserved 22 amino acid peptide hormone secreted from enterochromaffin cells of the gastrointestinal tract. Within the intestines, motilin potentiates intestinal motility by inducing contractions of the duodenum and through binding to surface receptors, designated GPR38 (G-protein coupled receptor 38). These motilin receptors are predominantly expressed in stomach, thyroid and bone marrow, and they are related to other G-protein coupled receptors located in the pituitary and hypothalamus, which mediate the signaling for growth hormone secretagogues. The gene encoding GPR38 is alternately spliced at the carboxy terminus to generate two related proteins that are designated GPR38-A and GPR38-B. Sequence comparisons of the two isoforms indicate that GPR38-A contains seven transmembrane domains while GPR38-B is predicted to contain only five transmembrane regions. Consistent with other G-protein coupled receptors, GPR38 activates phospholipase C signal transduction pathways and induces intracellular calcium mobilization after binding of motilin.

### Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

### Molecular Weight:

~ 45 kDa

### Swiss-Prot:

O43193

### 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

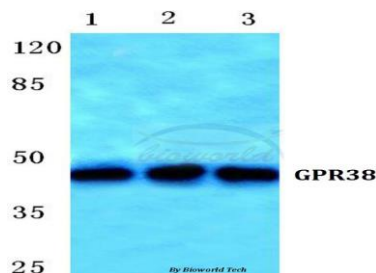
### Storage&Stability:

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

### Specificity:

GPR38 polyclonal antibody detects endogenous levels of GPR38 protein.

### DATA:



Western blot (WB) analysis of GPR38 polyclonal antibody at 1:500 dilution

Lane1: HEK293T cell lysate

Lane2: sp2/0 cell lysate

Lane3: NIH-3T3 cell lysate

### Note:

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

### Bioworld Technology, Inc.

Add: 1660 South Highway 100, Suite 500 St. Louis Park, MN 55416, USA.

Email: [info@bioworld.com](mailto:info@bioworld.com)

Tel: 6123263284

Fax: 6122933841

### Bioworld technology, co. Ltd.

Add: No 9, weidi road Qixia District Nanjing, 210046, P. R. China.

Email: [info@biogot.com](mailto:info@biogot.com)

Tel: 0086-025-68037686

Fax: 0086-025-68035151