

GPR12 polyclonal antibody

Catalog: BS5739

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

G protein-coupled receptors (GPRs) are a protein family of transmembrane receptors that transmit an extracellular signal (ligand binding) into an intracellular signal (G protein activation). GPR signaling is an evolutionarily ancient mechanism used by all eukaryotes to sense environmental stimuli and mediate cell-cell communication. All of the receptors have seven membrane-spanning domains and the extracellular parts of the receptor can be glycosylated. These extracellular loops also contain two highly conserved cysteine residues which create disulfide bonds to stabilize the receptor structure. GPR12 is a 334 amino acid peptide that is expressed primarily in brain, particularly in regions where neuronal differentiation takes place. GPR12 is coupled to an inhibitory G protein. It positively influences differentiation and maturation of post-mitotic neurons, and it may promote the growth of neuronal precursor cells.

Product:

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

Molecular Weight:

~ 36 kDa

Swiss-Prot:

P47775

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

IF: 1:50~1:200

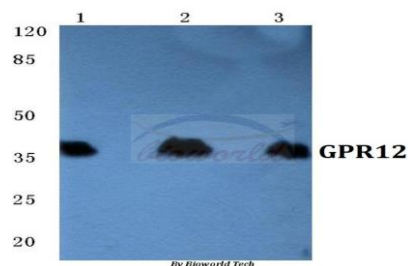
Storage&Stability:

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

Specificity:

GPR12 polyclonal antibody detects endogenous levels of GPR12 protein.

DATA:



Western blot (WB) analysis of GPR12 polyclonal antibody at 1:500 dilution

Lane1:HepG2 cell lysate

Lane2:Raw264.7 cell lysate

Lane3:Rat heart tissue lysate

Note:

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

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