# GPR176 polyclonal antibody

Catalog: BS5743 Host: Rabbit Reactivity: Human,Mouse,Rat

## BackGround:

G protein-coupled receptors (GPRs), also known as seven transmembrane receptors, heptahelical receptors or 7TM receptors, comprise a superfamily of proteins that play a role in many different stimulus-response pathways. G protein coupled receptors translate extracellular signals into intracellular signals (G protein activation) and they respond to a variety of signaling molecules, such as hormones and neurotransmitters. GPR176 (G protein-coupled receptor 176), also known as HB-954, GPR or Gm1012, is a 515 amino acid multi-pass membrane protein belonging to the G-protein coupled receptor 1 family. Expressed in brain and spleen, with trace expression in kidney, GPR176 functions as an orphan receptor that is thought to play a role in signaling events throughout the cell. Containing four N-glycosylation sites, seven transmembrane domains and a large C-terminal cytosolic domain, GPR176 is encoded by a gene mapping to human chromosome 15q14.

## Product:

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

## Molecular Weight:

~ 57 kDa

## Swiss-Prot:

Q14439

## 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

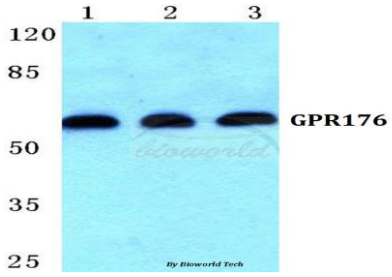
## Storage&Stability:

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

## Specificity:

GPR176 polyclonal antibody detects endogenous levels of GPR176 protein.

## DATA:




Western blot (WB) analysis of GPR176 polyclonal antibody at 1:500 dilution

Lane1:Hela cell lysate

Lane2:sp2/0 cell lysate

Lane3:Rat liver tissue lysate

## Note:

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

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