

GPR50 polyclonal antibody

Catalog: BS5751

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

G protein-coupled receptors (GPCRs) play a central role in mediating the intracellular effects of numerous neurotransmitters and hormones, including melatonin. GPR50, also designated Melatonin-related receptor, GPCR50 and H9, does not bind melatonin. It is a multi-pass membrane protein primarily detected in hypothalamus and pituitary. GPR50 is a 613 amino acid protein that contains the seven hydrophobic segments that are characteristic of GPCRs, as well as the distinguishing sequence motifs of the melatonin receptor GPCR family. The GPR50 protein is 45% identical to the melatonin receptors 1A and 1B and has an unusually long proline-rich C-terminal tail. Research suggests that a deletion variant within the GPR50 gene is a sex-specific risk factor for susceptibility to BPAD (bipolar affective disorder) and that other variants in the gene may be sex-specific risk factors in the development of schizophrenia.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.2.

Molecular Weight:

~ 66 kDa

Swiss-Prot:

Q13585

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

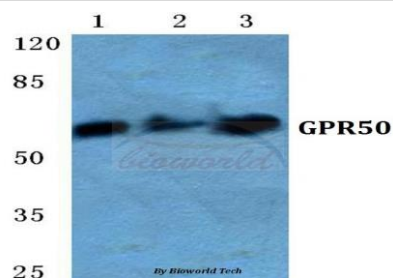
Storage&Stability:

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

Specificity:

GPR50 polyclonal antibody detects endogenous levels of GPR50 protein.

DATA:



Western blot (WB) analysis of GPR50 polyclonal antibody at 1:500 dilution

Lane1:Hela cell lysate

Lane2:sp2/0 cell lysate

Lane3:PC12 cell lysate

Note:

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

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