

GPR44 (D113) polyclonal antibody

Catalog: BS2873

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

G protein-coupled receptors (GPCRs), such as GPR44, are integral membrane proteins containing 7 putative transmembrane domains (TMs). These proteins mediate signals to the interior of the cell via activation of heterotrimeric G proteins that in turn activate various effector proteins, ultimately resulting in a physiologic response. GPR44 has recently been found to belong to the prostanoïd receptor family and named DP2, with this becoming the official IUPHAR nomenclature. GPR44 has recently been found when activated by elevated level of prostaglandin D2 (PGD2), it could inhibit hair growth. This suggests the PGD2-GPR44 pathway as a potential target for bald treatment. A particularly promising compound for blocking the PGD2-GPR44 pathway is a compound known as TM-30089, which exhibits a "functional insurmountability" of PGD2 expression.

Product:

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

Molecular Weight:

~ 49 kDa

Swiss-Prot:

Q9Y5Y4

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:

GPR44 (D113) polyclonal antibody detects endogenous levels of GPR44 protein.

DATA:



Western blot (WB) analysis of GPR44 (D113) pAb at 1:1000 dilution

Lane1:SGC7901 whole cell lysate(40ug)

Lane2:K562 whole cell lysate(40ug)

Lane3:H9C2 whole cell lysate(40ug)

Lane4:AML-12 whole cell lysate(40ug)

Note:

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

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