

GPR126 polyclonal antibody

Catalog: BS31081

Host: Rabbit

Reactivity: Human, Mouse

BackGround:

Adhesion G protein-coupled receptor (aGPCR) for steroid hormones, such as progesterone and 17alpha-hydroxyprogesterone (17OHP). Involved in many biological processes, such as myelination, sprouting angiogenesis, placenta, ear and cartilage development (By similarity). Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of downstream effectors, such as adenylate cyclase. ADGRG6 is coupled to G(i) G alpha proteins and mediates inhibition of adenylate cyclase. Also able to couple to G(q) G proteins. Involved in myelination of the peripheral nervous system: required for differentiation of promyelinating Schwann cells and for normal myelination of axons. Also acts as a regulator of body length and bone mass. Acts as a regulator of blood-brain barrier formation in the central nervous system...

Product:

1mg/ml in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~137 kDa

Swiss-Prot:

Q86SQ4

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000), IHC (1/100 - 1/200), IF/ICC (1/100 - 1/500)

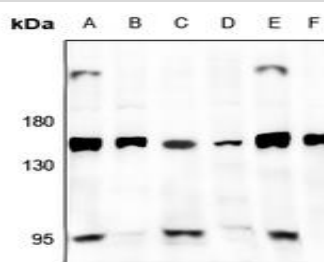
Storage&Stability:

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

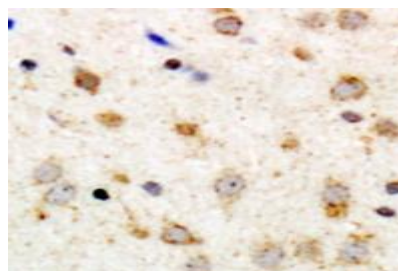
Specificity:

Recognizes endogenous levels of GPR126 protein.

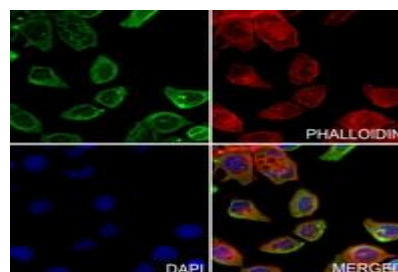
DATA:



Western blot analysis of TGF beta 1 expression in Hela (A), Myla2059 (B), SGC7901 (C) whole cell lysates.



Immunohistochemical analysis of TGF beta 1 staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of TGF beta 1 staining in MCF7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in

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PRODUCT DATA SHEET

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TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber.

Cells were washed with PBST and incubated with a DyLight

594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

Note:

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

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