GDF-15 (L64) polyclonal antibody

Catalog: BS3872 Host: Rabbit Reactivity: Human

BackGround:

Growth differentiation factor 15 (GDF-15), also known as PDF, MIC-1, PLAB, NAG-1 or PTGF-β, is a member of the transforming growth factor beta (TGF-beta) super-family. Synthesized intracellularly, the protein is secreted as a dimer linked by disulfide bonds. Epithelial cells and macrophages are the sites of strongest GDF-15 expression, although it is widely expressed in adult tissue. In the brain, GDF-15 expression occurs in the choroid plexus, from which the protein is secreted into the cerebrospinal fluid. The gene for GDF-15 is responsive to p53 tumor suppressor protein, and in cultured cerebellar granule neurons GDF-15 can prevent cell death by the activation of Akt and inhibition of ERK. GDF-15 acts as a trophic factor for certain classes of neurons, promoting cell survival and differentiation. Overexpression of GDF-15 occurs in prostate cancer, and may be a means of diagnosis.

Product:

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

Molecular Weight:

~ 37 kDa

Swiss-Prot:

Q99988

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

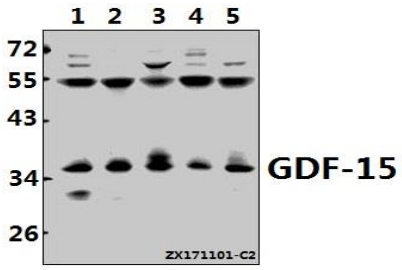
Storage&Stability:

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

Specificity:

GDF-15 (L64) polyclonal antibody detects endogenous levels of GDF-15 protein.

DATA:



Western blot (WB) analysis of DHS (L87) pAb at 1:500 dilution

Lane1:HepG2 whole cell lysate(40ug)

Lane2:HEK293T whole cell lysate(40ug)

Lane3:HCT116 whole cell lysate(40ug)

Lane4:SGC7901 whole cell lysate(40ug)

Lane5:PC3 whole cell lysate(40ug)

Note:

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

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