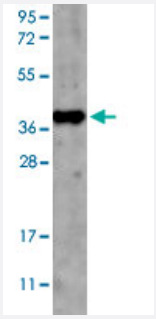
GDF15 polyclonal antibody

Catalog # PAB16899 Size 100 ug

Applications



Western Blot (Recombinant protein)

Western blot using GDF15 polyclonal antibody (Cat # PAB16899) shows detection of a 42 KDa band corresponding to purified recombinant fusion protein MBP-human GDF15. Samples were electrophoresed on a 4-20% gradient gel under reducing conditions. Primary antibody was used at 1 : 1000 in 1% BSA-TBST overnight at 4°C. DyLight649™ Goat Anti-Rabbit IgG secondary antibody was used at 1 : 20,000 in Blocking Buffer for Fluorescent Western Blotting for 30 min at room temperature. Image was captured using the BioRad Versadoc™ 4000MP Imaging System.

Specification

Product Description	Rabbit polyclonal antibody raised against full length recombinant GDF15.
Immunogen	Recombinant protein corresponding to human GDF15.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Recommend Usage	ELISA (1:500) Western Blot (1:800-1:1500) The optimal working dilution should be determined by the end user.
Storage Buffer	In 20 mM KH_2PO_4, 150 mM NaCl, pH 7.2 (0.01% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.

Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — GDF15

Entrez GeneID	9518
Gene Name	GDF15
Gene Alias	GDF-15, MIC-1, MIC1, NAG-1, PDF, PLAB, PTGFB
Gene Description	growth differentiation factor 15
Omim ID	605312
Gene Ontology	Hyperlink
Gene Summary	Bone morphogenetic proteins (e.g., BMP5; MIM 112265) are members of the transforming growt h factor-beta (see TGFB1; MIM 190180) superfamily and regulate tissue differentiation and maint enance. They are synthesized as precursor molecules that are processed at a dibasic cleavage s ite to release C-terminal domains containing a characteristic motif of 7 conserved cysteines in the mature protein.[supplied by OMIM
Other Designations	NSAID (nonsteroidal anti-inflammatory drug)-activated protein 1|PTGF-beta|prostate differentiatio n factor

Publication Reference

- Changes in gene expression contribute to cancer prevention by COX inhibitors.

  Baek SJ, Eling TE.

  Progress in Lipid Research 2005 Nov; 45(1):1.

- H6D polymorphism in macrophage-inhibitory cytokine-1 gene associated with prostate cancer.

  Lindmark F, Zheng SL, Wiklund F, Bensen J, Balter KA, Chang B, Hedelin M, Clark J, Stattin P, Meyers DA, Adami HO, Isaacs W, Gronberg H, Xu J.

  Journal of the National Cancer Institute 2004 Aug; 96(16):1248.

Disease

- Adenoma
- Adenomatous Polyps
- Alzheimer disease
- Carcinoma
- Cardiovascular Diseases
- Colorectal Neoplasms
- Diabetes Complications
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Hypertension
- Hypertrophy
- Lung Neoplasms
- Metabolic Syndrome X
- Neoplasm Metastasis
- Neoplasms
- Osteoporosis
- Prostate cancer

- Prostatic Neoplasms
- Pulmonary Disease
- Urinary Bladder Neoplasms
- Werner syndrome