

Product Datasheet

GDF-15 Antibody - BSA Free

NBP1-81050

Unit Size: 0.1 ml

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

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Publications: 11

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NBP1-81050

GDF-15 Antibody - BSA Free

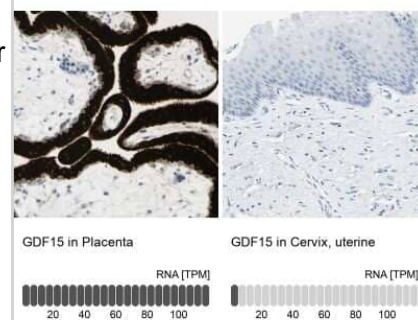
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol
Target Molecular Weight	34 kDa

Product Description	
Host	Rabbit
Gene ID	9518
Gene Symbol	GDF15
Species	Human
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: LSLAEASRASFPGPSELHSEDSRFRELRKRYEDLLTRLRANQSWEDSNTDLVP APAVRILTPEVRLGSGGHLHLRISRALPEGLPEASRLHRLFRLSPTASRSWD VTRPLRRQLSLARPQAPALHLRLSPPPSQSDQL

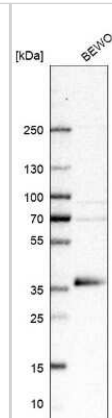
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:50 - 1:200, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunoprecipitation Reactivity reported in (PMID: 26114631)., Immunohistochemistry-Paraffin 1:50 - 1:200
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

Images

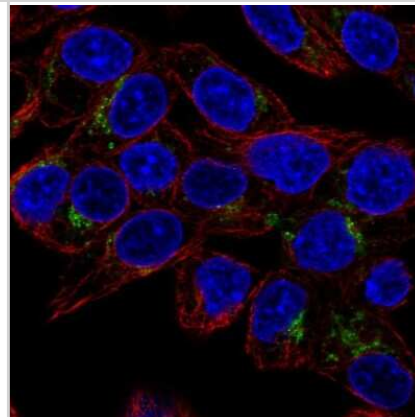
Immunohistochemistry-Paraffin: GDF-15 Antibody [NBP1-81050] - Analysis in human placenta and cervix, uterine tissues using NBP1-81050 antibody. Corresponding GDF-15 RNA-seq data are presented for the same tissues.



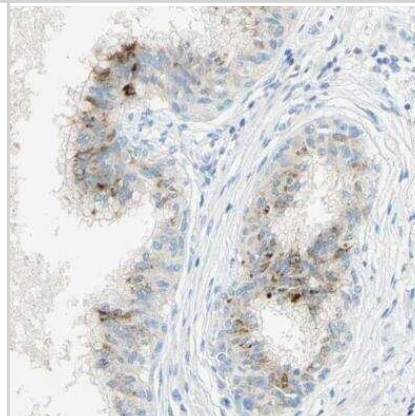
Western Blot: GDF-15 Antibody [NBP1-81050] - Analysis in human cell line BEWO.



Immunocytochemistry/Immunofluorescence: GDF-15 Antibody [NBP1-81050] - Staining of human cell line Hep G2 shows localization to the Golgi apparatus.



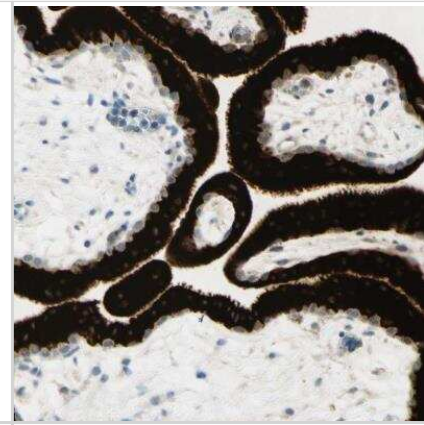
Immunohistochemistry-Paraffin: GDF-15 Antibody [NBP1-81050] - Staining of human prostate shows moderate cytoplasmic positivity in a small subset of glandular cells.



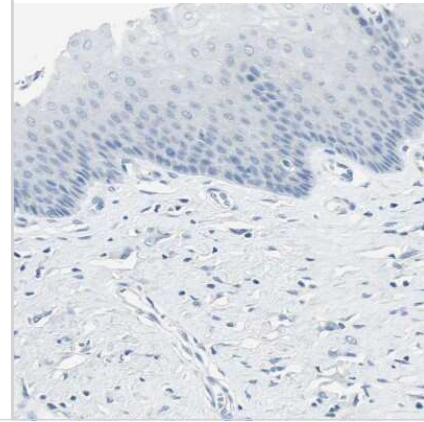
Immunohistochemistry-Paraffin: GDF-15 Antibody [NBP1-81050] - Staining of human skeletal muscle shows no positivity in myocytes as expected.



Immunohistochemistry-Paraffin: GDF-15 Antibody [NBP1-81050] - Staining of human placenta shows very strong cytoplasmic positivity in trophoblastic cells.



Immunohistochemistry-Paraffin: GDF-15 Antibody [NBP1-81050] - Staining of human cervix shows no positivity in squamous epithelial cells as expected.



Publications

Cao M, Gu L, Guo L et al. Elevated Expression of Growth Differentiation Factor-15 Is Associated With Acute Exacerbation of Idiopathic Pulmonary Fibrosis *Frontiers in Immunology* 2022-06-15 [PMID: 35784345] (Immunohistochemistry, Western Blot)

Joo M, Kim D, Lee MW et al. GDF15 Promotes Cell Growth, Migration, and Invasion in Gastric Cancer by Inducing STAT3 Activation *International journal of molecular sciences* 2023-02-02 [PMID: 36769245] (IHC-P, Human)

Details:

Dilution used in IHC-P 1:200

Hong W, Chen Jh, Ma Hj Et Al. Fragile X-Related Protein 1 (FXR1) Promotes Trophoblast Migration at Early Pregnancy via Downregulation of GDF-15 Expression *Reproductive sciences (Thousand Oaks, Calif.)* 2021-07-21 [PMID: 34291416] (ICC/IF)

Uchiyama T, Kawabata H, Miura Y et al. The role of growth differentiation factor 15 in the pathogenesis of primary myelofibrosis. *Cancer Med* 2015-10-01 [PMID: 26276681] (IF/IHC, Human)

Lee J, Fricke F, Warnken U et al. Reconstitution of TGFBR2-Mediated Signaling Causes Upregulation of GDF-15 in HCT116 Colorectal Cancer Cells. *PLoS One* 2015-01-01 [PMID: 26114631] (WB, IP)

Liu X, Chi X, Gong Q et al. Association of Serum Level of Growth Differentiation Factor 15 with Liver Cirrhosis and Hepatocellular Carcinoma. *PLoS One* 2015-01-01 [PMID: 25996938] (IF/IHC, Human)

Naoki Urakawa, Soken Utsunomiya, Mari Nishio et al. GDF15 derived from both tumor-associated macrophages and esophageal squamous cell carcinomas contributes to tumor progression via Akt and Erk pathways. *Laboratory Investigation* 2015-03-02 [PMID: 25730371] (IF/IHC, Human)

Nickel N, Jonigk D, Kempf T et al. GDF-15 is abundantly expressed in plexiform lesions in patients with pulmonary arterial hypertension and affects proliferation and apoptosis of pulmonary endothelial cells. *Respir Res.* 2011-05-01 [PMID: 21548946]

Wallin U, Glimelius B, Jirstrom K et al. Growth differentiation factor 15: a prognostic marker for recurrence in colorectal cancer. *Br J Cancer.* 2011-05-01 [PMID: 21468045]

Tabrizi AD, Kalloger SE, Kobel M et al. Primary ovarian mucinous carcinoma of intestinal type: significance of pattern of invasion and immunohistochemical expression profile in a series of 31 cases. *Int J Gynecol Pathol.* 2010-03-01 [PMID: 20173494]

Roth P, Junker M, Tritschler I et al. GDF-15 contributes to proliferation and immune escape of malignant gliomas. *Clin Cancer Res.* 2010-08-01 [PMID: 20534737]





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Products Related to NBP1-81050

NBP1-81050PEP	GDF-15 Recombinant Protein Antigen
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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