

Datasheet for ABIN704561
anti-GDF15 antibody (AA 221-308)[Go to Product page](#)

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Overview

Quantity:	100 µL
Target:	GDF15
Binding Specificity:	AA 221-308
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GDF15 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human GDF-15
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

Target Details

Target:	GDF15
Alternative Name:	GDF15/MIC-1 (GDF15 Products)

Target Details

Background:	<p>Synonyms: PDF, MIC1, PLAB, MIC-1, NAG-1, PTGFB, GDF-15, Growth/differentiation factor 15, Macrophage inhibitory cytokine 1, NSAID-activated gene 1 protein, NSAID-regulated gene 1 protein, NRG-1, Placental TGF-beta, Placental bone morphogenetic protein, Prostate differentiation factor, GDF15</p> <p>Background: Growth differentiation factor 15 (GDF15) is a member of the bone morphogenetic protein (BMP) family and the TGF-beta superfamily. It has been implicated in a variety of functions directly related to tumorigenicity including antiproliferative and pro-apoptotic effects. BMP proteins are secreted growth factors that are characterized by seven conserved cysteine residues. In general, they are regulators of cell growth and differentiation in both embryonic and adult tissues. GDF15 is an important downstream mediator of DNA damage signaling and a transcriptional target of p53.</p>
Gene ID:	9518
UniProt:	Q99988
Pathways:	SARS-CoV-2 Protein Interactome

Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling

Storage: 4 °C, -20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months

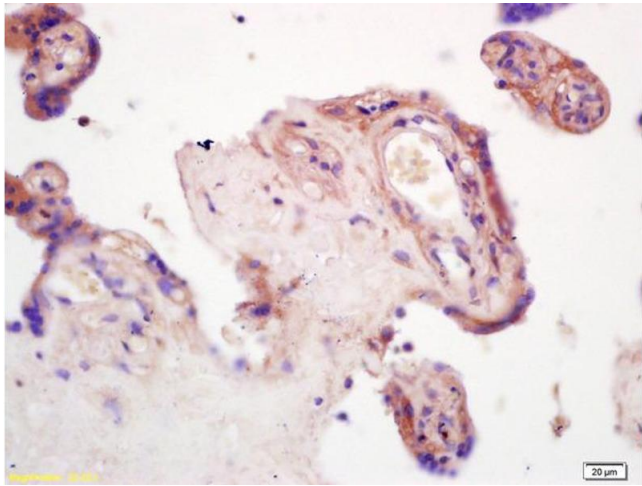
Publications

Product cited in: Ueno, Samura, Nakamura, Tanaka, Takeuchi, Kawamura, Takahashi, Hosoyama, Morikage, Hamano: "Increased plasma VEGF levels following ischemic preconditioning are associated with downregulation of miRNA-762 and miR-3072-5p." in: **Scientific reports**, Vol. 6, pp. 36758, (2016) ([PubMed](#)).

Ruan, Li, Nie, Zhou, Zou: "Differential expression of glycoprotein non-metastatic melanoma protein B (GPNMB) involved in trichostatin A-induced apoptosis in gastric cancer." in: **International journal of clinical and experimental medicine**, Vol. 7, Issue 12, pp. 4857-66, (2015) ([PubMed](#)).

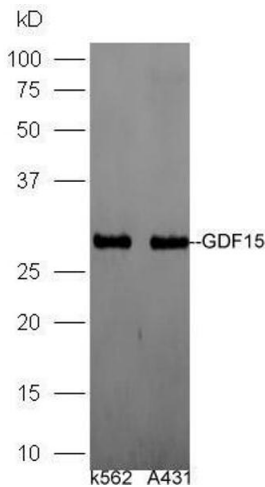
Figueiredo, Aikawa, Zheng, Aaron, Lax, Libby, de Lima Filho, Gruener, Fingerle, Haap, Hartmann, Aikawa: "Selective Cathepsin S Inhibition Attenuates Atherosclerosis in Apolipoprotein E-Deficient Mice with Chronic Renal Disease." in: **The American journal of pathology**, (2015) ([PubMed](#)).

Li, Cui, Gao, Cao, Li, Zhou: "Downregulation of growth differentiation factor-15 in trichostatin A-induced apoptosis could play a role in progression of gastric cancer." in: **International journal of clinical and experimental pathology**, Vol. 8, Issue 7, pp. 8136-42, (2015) ([PubMed](#)).



Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded rat brain tissue labeled with Anti-GDF15/MIC-1 Polyclonal Antibody, Unconjugated (ABIN704561) at 1:200, followed by conjugation to the secondary antibody and DAB staining



Western Blotting

Image 2. Lane 1: Human K562 lysates, Lane 2: Human A431 lysates probed with Rabbit Anti-GDF15/MIC-1 Polyclonal Antibody, Unconjugated at 1:5000 for 90 min at 37°C.