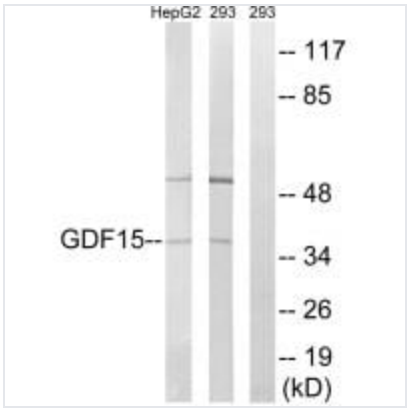
GDF15 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	GDF15, Polyclonal Antibody
Full Product Name	GDF15 Antibody
Product Gene Name	anti-GDF15 antibody
Product Synonym Names	GDF-15; growth differentiation factor 15; MIC-1; MIC1; NAG-1
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration	1.0 mg/ml (lot specific)
Specificity	The antibody detects endogenous levels of total GDF15 protein.
Preparation and Storage	Store at -20 degree C
Molecular Weight	34,140 Da
OMIM	605312
3D Structure	ModBase 3D Structure for Q99988
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from internal of human GDF15.
Target Name	GDF15
Product Categories/Family for anti-GDF15 antibody	Total protein Ab
Applications Tested/Suitable for anti-GDF15 antibody	Western Blot (WB)
Application Notes for anti-GDF15 antibody	Western blotting: 1:500~1:3000
Related Product Information for anti-GDF15 antibody	Bone morphogenetic proteins (e.g., BMP9; MIM 605120) are members of the transforming growth factor-beta (see TGFB1; MIM 190180) superfamily and regulate tissue differentiation and maintenance. They are synthesized as precursor molecules that are processed at a dibasic cleavage site to release C-terminal domains containing a characteristic motif of 7 conserved cysteines in the mature protein.[supplied by OMIM, Oct 2009]Hromas R., Biochim. Biophys. Acta 1354:40-44(1997).Yokoyama-Kobayashi M., J. Biochem. 122:622-626(1997).Bootcov M.R., Proc. Natl. Acad. Sci. U.S.A. 94:11514-11519(1997).
Other Notes	Small volumes of anti-GDF15 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for GDF15 purchase	MBS9407153 is an antibody targeting GDF15. Also known as GDF15 Antibody. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-GDF15 antibody
Western blot analysis of extracts from HepG2 cells and 293 cells, using GDF15 antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GDF15. It may not necessarily be applicable to this product.

NCBI GI #	153792495
NCBI GeneID	9518
NCBI Accession #	NP_004855.2
UniProt Primary Accession #	Q99988
UniProt Secondary Accession #	O14629; P78360; Q9BWA0; Q9NRT0
UniProt Related Accession #	Q99988
GenBank Nucleotide #	NM_004864.2
NCBI Official Full Name	growth/differentiation factor 15 preproprotein
NCBI Official Synonym Full Names	growth differentiation factor 15
NCBI Official Symbol	GDF15
NCBI Official Synonym Symbols	PDF; MIC1; PLAB; MIC-1; NAG-1; PTGFB; GDF-15
UniProt Protein Name	Growth/differentiation factor 15
UniProt Synonym Protein Names	Macrophage inhibitory cytokine 1; MIC-1; NSAID-activated gene 1 protein; NAG-1; NSAID-regulated gene 1 protein; NRG-1; Placental TGF-beta; Placental bone morphogenetic protein; Prostate differentiation factor
Protein Family	Growth/differentiation factor
UniProt Gene Name	GDF15
UniProt Synonym Gene Names	MIC1; PDF; PLAB; PTGFB; GDF-15; MIC-1; NAG-1; NRG-1
UniProt Entry Name	GDF15_HUMAN
NCBI Protein Information	growth/differentiation factor 15
NCBI Summary for GDF15	The protein encoded by this gene belongs to the transforming growth factor-beta (TGF-beta) family. The protein is expressed in a broad range of cell types, acts as a pleiotropic cytokine and is involved in the stress reponse program of cells after cellular injury. Increased protein levels are associated with disease states such as tissue hypoxia, inflammation, acute injury and oxidative stress. [provided by RefSeq, Sep 2015]

UniProt Comments for GDF15	GDF15: disulfide-linked. Belongs to the TGF-beta family. Protein type: Cytokine; Secreted, signal peptide; Secreted Chromosomal Location of Human Ortholog: 19p13.11 Cellular Component: extracellular space; extracellular region Molecular Function: growth factor activity; cytokine activity; transforming growth factor beta receptor binding Biological Process: regulation of apoptosis; cell-cell signaling; regulation of MAPKKK cascade; transforming growth factor beta receptor signaling pathway; signal transduction; cell development
Research Articles on GDF15	**1.** Studied contribution to tumor progression of GDF15 in tumor-associated macrophages and esophageal squamous cell carcinomas.
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