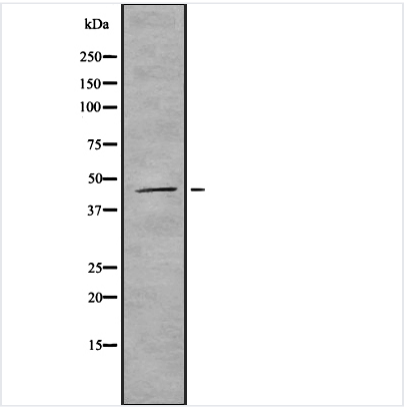
# GDF11 Antibody

## PRODUCT OVERVIEW

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|---|---|
| **Product Name** | GDF11, Antibody |
| **Full Product Name** | GDF11 Antibody |
| **Product Gene Name** | anti-GDF11 antibody |
| **Molecular Weight** | 45,091 Da |
| **OMIM** | 603936 |
| **3D Structure** | ModBase 3D Structure for O95390 |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for anti-GDF11 antibody** | MBS8517538 is an antibody targeting GDF11. Also known as GDF11 Antibody. |
| **Other Notes** | Small volumes of anti-GDF11 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. |




**Western Blot (WB) of anti-GDF11 antibody**
Western blot analysis GDF11 using MCF7 whole cell lysates

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GDF11. It may not necessarily be applicable to this product.

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|---|---|
| **NCBI GI #** | 5031613 |
| **NCBI GeneID** | 10220 |
| **NCBI Accession #** | NP_005802.1 |
| **UniProt Primary Accession #** | O95390 |
| **UniProt Secondary Accession #** | Q9UID1; Q9UID2 |
| **UniProt Related Accession #** | O95390 |
| **GenBank Nucleotide #** | NM_005811.4 |
| **NCBI Official Full Name** | growth/differentiation factor 11 preproprotein |

| | |
|---|---|
| **NCBI Official Synonym Full Names** | growth differentiation factor 11 |
| **NCBI Official Symbol** | GDF11 |
| **NCBI Official Synonym Symbols** | BMP11; BMP-11 |
| **UniProt Protein Name** | Growth/differentiation factor 11 |
| **UniProt Synonym Protein Names** | Bone morphogenetic protein 11 |
| **Protein Family** | Growth/differentiation factor |
| **UniProt Gene Name** | GDF11 |
| **UniProt Synonym Gene Names** | ; BMP-11 |
| **NCBI Protein Information** | growth/differentiation factor 11 |
| **NCBI Summary for GDF11** | This gene encodes a secreted ligand of the TGF-beta (transforming growth factor-beta) superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to recruitment and activation of SMAD family transcription factors that regulate gene expression. The encoded preproprotein is proteolytically processed to generate each subunit of the disulfide-linked homodimer. This protein plays a role in the development of the nervous and other organ systems, and may regulate aging. [provided by RefSeq, Aug 2016] |
| **UniProt Comments for GDF11** | Secreted signal that acts globally to specify positional identity along the anterior/posterior axis during development. May play critical roles in patterning both mesodermal and neural tissues and in establishing the skeletal pattern (). Signals through activin receptors type-2, ACVR2A and ACVR2B, and activin receptors type-1, ACVR1B, ACVR1C and TGFBR1 leading to the phosphorylation of SMAD2 and SMAD3 (PubMed:28257634). |
| **Research Articles on GDF11** | **1.** GDF11 may be a relevant myostatin-interacting peptide to successful aging in humans |
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