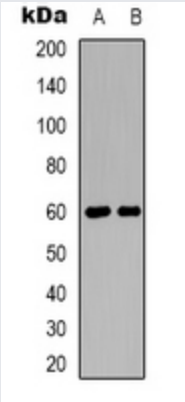
# FGF12 Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

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| **Product Name** | FGF12, Polyclonal Antibody |
| **Full Product Name** | Rabbit anti-FGF12 Antibody |
| **Product Gene Name** | anti-FGF12 antibody |
| **Product Synonym Names** | FGF12B; FHF1; Fibroblast growth factor 12; FGF-12; Fibroblast growth factor homologous factor 1; FHF-1; Myocyte-activating factor |
| **Clonality** | Polyclonal |
| **Host** | Rabbit |
| **Species Reactivity** | Human, Mouse, Rat |
| **Form/Format** | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide. |
| **Purity/Purification** | The antibody was purified by immunogen affinity chromatography. |
| **Concentration** | 1mg/mL (lot specific) |
| **Preparation and Storage** | Store at -20 degree C. Avoid repeated freeze/thaw cycles. |
| **Molecular Weight** | 181 |
| **OMIM** | 601513 |
| **3D Structure** | ModBase 3D Structure for P61328 |
| **Immunogen** | KLH-conjugated synthetic peptide encompassing a sequence within the center region of human FGF12. The exact sequence is proprietary. |
| **Product Categories/Family for anti-FGF12 antibody** | Primary antibodies |
| **ISO Certification** | Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory. |
| **Applications Tested/Suitable for anti-FGF12 antibody** | Western Blot (WB) |
| **Application Notes for anti-FGF12 antibody** | WB: 1:500-1:1000 |
| **Related Product Information for anti-FGF12 antibody** | MBS4507371 is an antibody targeting FGF12. Also known as Rabbit anti-FGF12 Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit. |
| **Other Notes** | Small volumes of anti-FGF12 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-FGF12 antibody**
Western blot analysis of FGF12 expression in Hela (A), SHSY5Y (B) whole cell lysates.

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for FGF12. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 47117683 |
| **NCBI GeneID** | 2257 |
| **NCBI Accession #** | P61328.1 |
| **UniProt Primary Accession #** | P61328 |
| **UniProt Secondary Accession #** | P61329; P61150 |
| **UniProt Related Accession #** | P61328 |
| **NCBI Official Full Name** | Fibroblast growth factor 12 |
| **NCBI Official Synonym Full Names** | fibroblast growth factor 12 |
| **NCBI Official Symbol** | FGF12 |
| **NCBI Official Synonym Symbols** | FHF1; FGF12B |
| **UniProt Protein Name** | Fibroblast growth factor 12 |
| **UniProt Synonym Protein Names** | Fibroblast growth factor homologous factor 1; FHF-1; Myocyte-activating factor |
| **Protein Family** | Fibroblast growth factor |
| **UniProt Gene Name** | FGF12 |
| **UniProt Synonym Gene Names** | FGF12B; FHF1; FGF-12; FHF-1 |
| **UniProt Entry Name** | FGF12_HUMAN |
| **NCBI Protein Information** | fibroblast growth factor 12; FHF-1; FGF-12; myocyte-activating factor; fibroblast growth factor 12B; fibroblast growth factor FGF-12b; fibroblast growth factor homologous factor 1 |
| **NCBI Summary for FGF12** | The protein encoded by this gene is a member of the fibroblast growth factor (FGF) family. FGF family members possess broad mitogenic and cell survival activities, and are involved in a variety of biological processes, including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth, and invasion. This growth factor lacks the N-terminal signal sequence present in most of the FGF family members, but it contains clusters of basic residues that have been demonstrated to act as a nuclear localization signal. When transfected into mammalian cells, this protein accumulated in the nucleus, but was not secreted. The specific function of this gene has not yet been determined. Two alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq, Jul 2008] |

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| **UniProt Comments for FGF12** | FGF12: Probably involved in nervous system development and function. Belongs to the heparin-binding growth factors family. 2 isoforms of the human protein are produced by alternative splicing.<br><br>Protein type: Cell development/differentiation; Cytokine<br><br>Chromosomal Location of Human Ortholog: 3q28<br><br>Cellular Component: extracellular space; nucleus<br><br>Molecular Function: heparin binding; growth factor activity; sodium channel regulator activity; fibroblast growth factor receptor binding<br><br>Biological Process: nervous system development; synaptic transmission; fibroblast growth factor receptor signaling pathway; cell-cell signaling; adult locomotory behavior; heart development; neuromuscular process; JNK cascade; signal transduction |
| **Research Articles on FGF12** | **1.** Q7R-FGF12 is a disease-associated BrS mutation. Moreover, these data suggest for the first time that FHF effects on Na(+) and Ca(2+) channels are separable. |
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