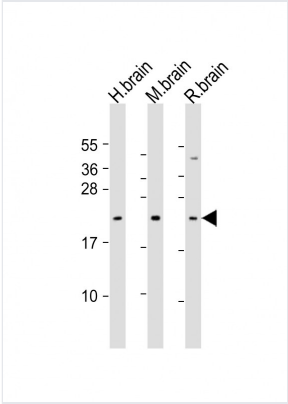
FGF12 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	FGF12, Polyclonal Antibody
Full Product Name	FGF12 Antibody (Center)
Product Gene Name	anti-FGF12 antibody
Product Synonym Names	Purified Rabbit Polyclonal Antibody (Pab); Fibroblast growth factor 12; FGF-12; Fibroblast growth factor homologous factor 1; FHF-1; Myocyte-activating factor; FGF12; FGF12B; FHF1
Clonality	Polyclonal
Isotype	Ig
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Specificity	This FGF12 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 159-191 amino acids from the Central region of human FGF12.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Antibody/Peptide Pairs	FGF12 peptide (MBS9230436) is used for blocking the activity of FGF12 antibody (MBS9215978)
Molecular Weight	27399
OMIM	601513
3D Structure	ModBase 3D Structure for P61328
Antigen Source	Human
Product Categories/Family for anti-FGF12 antibody	Cardiovascular; Signal Transduction
Applications Tested/Suitable for anti-FGF12 antibody	Western Blot (WB)
Application Notes for anti-FGF12 antibody	WB ~~ 1:1000
Related Product Information for anti-FGF12 antibody	MBS9215978 is an antibody targeting FGF12. Also known as FGF12 Antibody (Center). Reactive in Human, Mouse, Rat. Host: Rabbit. Probably involved in nervous system development and function.
Product References and Citations for anti-FGF12 antibody	Smallwood P.M.,et al.Proc. Natl. Acad. Sci. U.S.A. 93:9850-9857(1996). Kok L.D.S.,et al.Biochem. Biophys. Res. Commun. 255:717-721(1999). Ota T.,et al.Nat. Genet. 36:40-45(2004). Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
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
All lanes : Anti-FGF12 Antibody (Center) at 1:1000 dilutionLane 1: human brain lysateLane 2: mouse brain lysateLane 3: rat brain lysateLysates/proteins at 20 ug per lane.SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution.Predicted band size : 27 kDaBlocking/Dilution buffer: 5% NFDM/TBST.

ADDITIONAL DETAILS

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

NCBI GI #	21614511
NCBI GeneID	2257
NCBI Accession #	NP_004104.3
UniProt Primary Accession #	P61328
UniProt Secondary Accession #	O35339; P70376; Q8TBG5; Q92912; Q93001; B2R6B7; B2R976
UniProt Related Accession #	P61328
GenBank Nucleotide #	NM_004113.5
NCBI Official Full Name	fibroblast growth factor 12 isoform 2
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
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]

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. Protein type: Cytokine; Cell development/differentiation Chromosomal Location of Human Ortholog: 3q28 Cellular Component: extracellular space; intracellular; nucleus Molecular Function: heparin binding; protein binding; sodium channel regulator activity; growth factor activity; fibroblast growth factor receptor binding Biological Process: synaptic transmission; nervous system development; fibroblast growth factor receptor signaling pathway; cell-cell signaling; adult locomotory behavior; neuromuscular process; heart development; 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.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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