

Mouse anti-Human FGF23 (Fibroblast Growth Factor 23) Monoclonal Antibody | anti-FGF23 antibody

FGF23 (Fibroblast Growth Factor 23) Mouse Monoclonal Antibody [Clone FGF23/4171]

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA215997	Mouse	Human	Immunohistochemistry

PRODUCT SYNONYMS

FGF23 (Fibroblast Growth Factor 23); Monoclonal Antibody; FGF23 (Fibroblast Growth Factor 23) Mouse Monoclonal Antibody [Clone FGF23/4171]; ADHR; FGF-23; FGFN; Fibroblast growth factor 23; HPDR2; HYPF; Phosphatonin; PHPTC; Tumor-derived hypophosphatemia-inducing factor; anti-FGF23 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse/IgG2b, kappa
Clone Number	FGF23/4171
Form/Format	1.0mg/ml of Ab purified from Bioreactor Concentrate by Protein A/G.
Concentration	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml (varies by lot)
Applicable Applications for anti-FGF23 antibody	IHC (Immunohistochemistry)
Immunogen	Recombinant fragment (around aa25-251) of human FGF23 protein (exact sequence is proprietary)
Cellular Localization	Secreted (extracellular)
Positive Control	Human kidney tissue.
Hu-chromosome Location	12p13.32
Unigene	287370
Preparation and Storage	Antibody without azide: store at -20 to -80°C Non-hazardous. No MSDS required.

IMAGES



Application Data

Analysis of Protein Array containing more than 19,000 full-length human proteins using FGF23-Monospecific Mouse Monoclonal Antibody (FGF23/4171). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



IHC (Immunohistochemistry)

IHC analysis of formalin-fixed, paraffin-embedded human kidney stained with FGF23/4171 2ug/ml in PBS for 30min RT. HIER: Tris/EDTA, pH9.0, 45min. 2 °: HRP-polymer, 30min. DAB, 5min.



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human kidney stained with FGF23 Mouse Monoclonal Antibody (FGF23/4171) at 2ug/ml. Inset: PBS instead of primary antibody; secondary only negative control.

ADDITIONAL INFORMATION

Related Product Information for anti-FGF23 antibody

Fibroblast growth factor-1 (FGF-1), also designated acidic FGF, and fibroblast growth factor-2 (FGF-2), also designated basic FGF, are members of a family of growth factors that stimulate proliferation of cells of mesenchymal, epithelial and neuroectodermal origin. Additional members of the FGF family include the oncogenes FGF-3 (Int2) and FGF-4 (hst/Kaposi), FGF-5, FGF-6, FGF-7 (KGF), FGF-8 (AIGF), FGF-9 (GAF) and FGF-10 through FGF-23. Members of the FGF family share 30-55% amino acid sequence identity and similar gene structure, and are capable of transforming cultured cells when overexpressed in transfected cells. Cellular receptors for FGFs are members of a second multigene family, including four tyrosine kinases designated Flg (FGFR-1), Bek (FGFR-L), TKF and FGFR-3.

NCBI AND UNIPROT INFORMATION

NCBI GI #	10190674
NCBI GeneID	8074
NCBI Accession #	NP_065689.1
NCBI GenBank Nucleotide #	NM_020638.2
UniProt Accession #	Q9GZV9; Q4V758
Molecular Weight	12-32kDa
NCBI Official Full Name	fibroblast growth factor 23
NCBI Official Synonym Full Names	fibroblast growth factor 23
NCBI Official Symbol	FGF23
NCBI Official Synonym Symbols	ADHR; FGFN; HYPF; HPDR2; PHPTC
NCBI Protein Information	fibroblast growth factor 23; phosphatonin; tumor-derived hypophosphatemia inducing factor
UniProt Protein Name	Fibroblast growth factor 23

UniProt Gene Name	FGF23
UniProt Synonym Gene Names	HYPF; FGF-23
UniProt Entry Name	FGF23_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/fgf23-fibroblast-growth-factor-23-antibody-clone-fgf23-4171-immunohistochemistry-elisa/215997>