

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

FGF23 (Fibroblast Growth Factor 23) Mouse Monoclonal Antibody [Clone FGF23/4166]

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA216001	Mouse	Human	Immunohistochemistry

PRODUCT SYNONYMS

FGF23 (Fibroblast Growth Factor 23); Monoclonal Antibody; FGF23 (Fibroblast Growth Factor 23) Mouse Monoclonal Antibody [Clone FGF23/4166]; 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/IgG2a, kappa
Clone Number	FGF23/4166
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 Mouse Monoclonal Antibody (FGF23/4166). 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)

Formalin-fixed, paraffin-embedded human kidney stained with FGF23 Mouse Monoclonal Antibody (FGF23/4166).



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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.
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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	27,954 Da
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-fgf23-4166-immunohistochemistry-elisa/216001>