

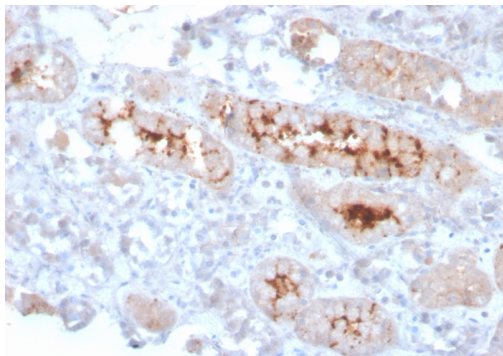
FGF23 (Fibroblast Growth Factor 23)

Mouse Monoclonal Antibody [Clone FGF23/4166]

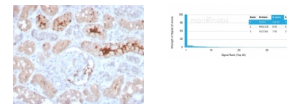
Catalog No	Format	Size	Price (USD)
8074-MSM6-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug	219.00
8074-MSM6-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug	499.00
8074-MSM6-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug	499.00

Human Entrez Gene ID	8074
Human SwissProt	Q9GZV9
Human Unigene	287370
Human Gene Symbol	FGF23
Human Chromosome Location	12p13.32
Synonyms	ADHR; FGF-23; FGFN; Fibroblast growth factor 23; HPDR2; HYPF; Phosphatonin; PHPTC; Tumor-derived hypophosphatemia-inducing factor

Immunogen	Recombinant fragment (around aa25-251) of human FGF23 protein (exact sequence is proprietary)
Host / Ig Isotype	Mouse / IgG2a, kappa
Mol. Weight of Antigen	12-32kDa
Cellular Localization	Secreted (extracellular)
Species Reactivity	Human.
Positive Control	Human kidney tissue.



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



Specificity & Comments

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 (AlGF), 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.

Known Applications & Suggested Dilutions

Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT) (Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95 °C followed by cooling at RT for 20 minutes)
Optimal dilution for a specific application should be determined.

Key References

1. Yamashita, T., et al. 2000. Identification of a novel fibroblast growth factor, FGF-23, preferentially expressed in the ventrolateral thalamic nucleus of the brain. *Biochem. Biophys. Res. Commun.* 277: 494-498.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Limitations

This antibody is available for research use only and is not approved for use in diagnosis.

Warranty

There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.