

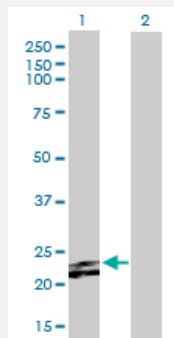
MaxPab®

## FGF23 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00008074-B01P

Size 50 ug

### Applications

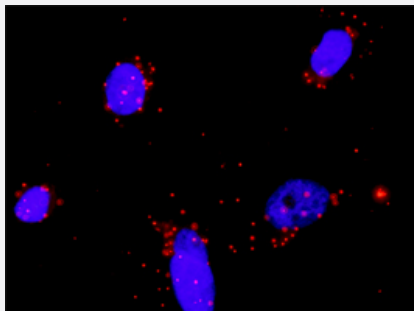


#### Western Blot (Transfected lysate)

Western Blot analysis of FGF23 expression in transfected 293T cell line ([H00008074-T01](#)) by FGF23 MaxPab polyclonal antibody.

Lane 1: FGF23 transfected lysate(27.61 KDa).

Lane 2: Non-transfected lysate.



#### In situ Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between FGFR2 and FGF23. HeLa cells were stained with anti-FGFR2 rabbit purified polyclonal 1:1200 and anti-FGF23 mouse purified polyclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

### Specification

Product Description	Mouse polyclonal antibody raised against a full-length human FGF23 protein.
Immunogen	FGF23 (NP_065689.1, 1 a.a. ~ 251 a.a) full-length human protein.
Sequence	MLGARLRLWVCALCSVCSMSVLRAYPNASPLLGSWSGGLIHLTYTARNSTYHLQIHKNGHVDGAP HQTYSALMIRSEDAGFVVITGVMSRRYLCMDFRGNIFGSHYFDPENCRFQHQTLNGYDVYHSPQ YHFLVSLGRAKRAFLPGMNPPYPYSQFLSRRNEIPLIHFNTPIPRRHTRSAEDDSERDPLNVLPRA RMTAPASCSQELPSAEDNSPMASDPLGVVRGGRVNTHAGGTGPEGCRPFAKFI
Host	Mouse
Reactivity	Human

Interspecies Antigen Sequence	Mouse (71); Rat (72)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot (Transfected lysate)

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[Protocol Download](#)

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## Gene Info — FGF23

Entrez GeneID	<a href="#">8074</a>
GeneBank Accession#	<a href="#">NM_020638</a>
Protein Accession#	<a href="#">NP_065689.1</a>
Gene Name	FGF23
Gene Alias	ADHR, HPDR2, HYPF, PHPTC
Gene Description	fibroblast growth factor 23
Omim ID	<a href="#">193100</a> <a href="#">211900</a> <a href="#">605380</a>
Gene Ontology	<a href="#">Hyperlink</a>

**Gene Summary**

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. The product of this gene inhibits renal tubular phosphate transport. This gene was identified by its mutations associated with autosomal dominant hypophosphatemic rickets (ADHR), an inherited phosphate wasting disorder. Abnormally high level expression of this gene was found in oncogenic hypophosphatemic osteomalacia (OHO), a phenotypically similar disease caused by abnormal phosphate metabolism. Mutations in this gene have also been shown to cause familial tumoral calcinosis with hyperphosphatemia. [provided by RefSeq]

**Other Designations**

tumor-derived hypophosphatemia inducing factor

**Pathway**

- [MAPK signaling pathway](#)
- [Melanoma](#)
- [Pathways in cancer](#)
- [Regulation of actin cytoskeleton](#)

**Disease**

- [Alzheimer disease](#)
- [Cardiovascular Diseases](#)
- [Diabetes Complications](#)
- [Hypercalcemia](#)
- [Hypercalciuria](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Osteoporosis](#)
- [Tobacco Use Disorder](#)