

### Summary

Production Name	FGF-23 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	IF,ELISA
Reactivity	Human,Mouse,Rat

### Performance

Conjugation	Unconjugated
Modification	Unmodified
lsotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

#### Immunogen

Gene Name	FGF23
Alternative Names	FGF23; HYPF; Fibroblast growth factor 23; FGF-23; Phosphatonin; Tumor-derived
	hypophosphatemia-inducing factor
Gene ID	8074.0
SwissProt ID	Q9GZV9. The antiserum was produced against synthesized peptide derived from
	human FGF23. AA range:151-200

# Application

Dilution Ratio	ELISA: 1:20000. IF 1:100-300
Molecular Weight	27kD

# Background

### Product Name: FGF-23 Rabbit Polyclonal Antibody Catalog #: APRab10933



This gene encodes a member of the fibroblast growth factor family of proteins, which possess broad mitogenic and cell survival activities and are involved in a variety of biological processes. The product of this gene regulates phosphate homeostasis and transport in the kidney. The full-length, functional protein may be deactivated via cleavage into N-terminal and C-terminal chains. Mutation of this cleavage site causes autosomal dominant hypophosphatemic rickets (ADHR). Mutations in this gene are also associated with hyperphosphatemic familial tumoral calcinosis (HFTC). [provided by RefSeq, Feb 2013],disease:Defects in FGF23 are a cause of hyperphosphatemic familial tumoral calcinosis (HFTC) [MIM:211900]. HFTC is a severe autosomal recessive metabolic disorder that manifests with hyperphosphatemia and massive calcium deposits in the skin and subcutaneous tissues.,disease:Defects in FGF23 are the cause of autosomal dominant hypophosphataemic rickets (ADHR) [MIM:193100]. ADHR is characterized by low serum phosphorus concentrations, rickets, osteomalacia, leg deformities, short stature, bone pain and dental abscesses.,PTM:After secretion it is processed into a N-terminal fragment and a C-terminal fragment. The processing is effected by the proprotein convertases,similarity:Belongs to the heparin-binding growth factors family.,

### **Research Area**

MAPK\_ERK\_Growth;MAPK\_G\_Protein;Regulates Actin and Cytoskeleton;Pathways in cancer;Melanoma;

## Image Data



Immunofluorescence analysis of HUVEC cells, using FGF23 Antibody. The picture on the right is blocked with the synthesized peptide.

# Note

For research use only.