

# Anti-FGF23 Antibody

Rabbit polyclonal antibody to FGF23 Catalog # AP60285

## **Product Information**

Application	WB
Primary Accession	<u>Q9GZV9</u>
Other Accession	<u>Q9EPC2</u>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	27954

## **Additional Information**

Gene ID	8074
Other Names	HYPF; Fibroblast growth factor 23; FGF-23; Phosphatonin; Tumor-derived hypophosphatemia-inducing factor
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human FGF23. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

### **Protein Information**

Name	FGF23
Synonyms	HYPF
Function	Regulator of phosphate homeostasis (PubMed: <u>11062477</u> ). Inhibits renal tubular phosphate transport by reducing SLC34A1 levels (PubMed: <u>11409890</u> ). Up-regulates EGR1 expression in the presence of KL (By similarity). Acts directly on the parathyroid to decrease PTH secretion (By similarity). Regulator of vitamin-D metabolism (PubMed: <u>15040831</u> ). Negatively regulates osteoblast differentiation and matrix mineralization (PubMed: <u>18282132</u> ).
Cellular Location	Secreted. Note=Secretion is dependent on O-glycosylation
Tissue Location	Expressed in osteogenic cells particularly during phases of active bone remodeling. In adult trabecular bone, expressed in osteocytes and flattened

## Background

KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human FGF23. The exact sequence is proprietary.

#### Images



Western blot analysis of FGF23 expression in A549 (A), U2OS (B), mouse liver (C), mouse heart (D), rat liver (E) whole cell lysates.

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