

FGF-23 (PT1387R) PT™ Rabbit mAb

CatalogNo: YM9229 **Recombinant** 

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, IF, ELISA

MW

- 28kD (Calculated)
- 36kD (Observed)

Isotype

- IgG, Kappa

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)**Formulation** PBS, 50% glycerol, 0.05% Proclin 300, 0.05% BSA

Recommended Dilution Ratios

WB 1:2000-1:10000**IF 1:200-1:1000****ELISA 1:5000-1:20000**

Basic Information

Clonality Monoclonal**Clone Number** PT1387R

Immunogen Information

Specificity Endogenous

Target Information

Gene name FGF23

Protein Name Fibroblast growth factor 23

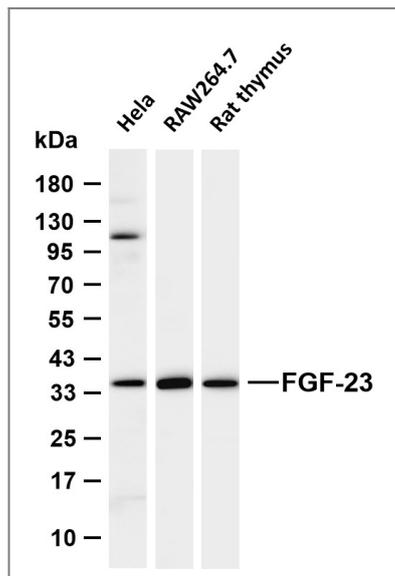
Organism	Gene ID	UniProt ID
Human	8074 ;	Q9GZV9 ;
Mouse	64654 ;	Q9EPC2 ;
Rat	170583 ;	Q8VI82 ;

Cellular Localization Secreted . Secretion is dependent on O-glycosylation.

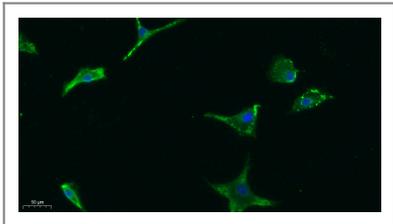
Tissue specificity Expressed in osteogenic cells particularly during phases of active bone remodeling. In adult trabecular bone, expressed in osteocytes and flattened bone-lining cells (inactive osteoblasts).

Function 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.,

Validation Data



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-FGF-23 (PT1387R) antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: HeLa Lane 2: RAW264.7 Lane 3: Rat thymus Predicted band size: 28kDa Observed band size: 36kDa



Immunofluorescence analysis of A549. 1,primary Antibody was diluted at 1:200(4°C overnight). 2, Goat Anti Rabbit IgG (H&L) - Alexa Fluor 488 Secondary antibody was diluted at 1:1000(room temperature, 50min).3, DAPI(blue) 10min.

| Contact information

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