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

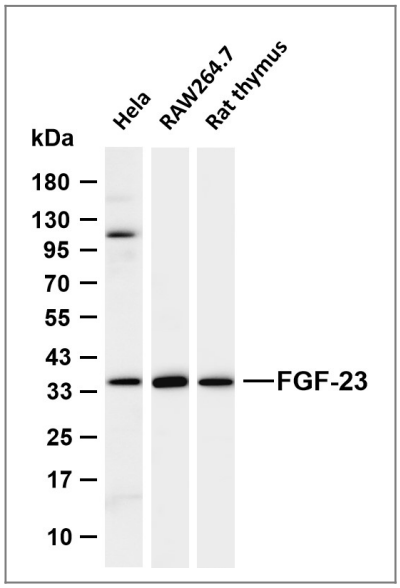
Target Information

Gene name	FGF23
Protein Name	Fibroblast growth factor 23

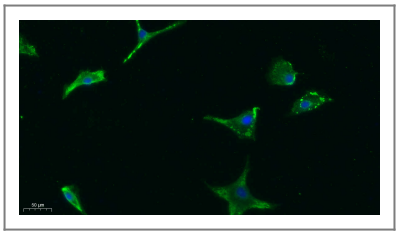
Organism	Gene ID	UniProt ID
Human	8074;	Q9GZV9;
Mouse	64654;	Q9EPC2;
Rat	170583;	Q8VI82;

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℃ 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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Please scan the QR code to access additional product information:
FGF-23 (PT1387R) PT™ Rabbit mAb