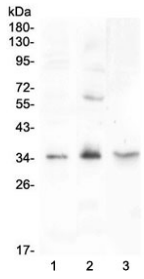
FGF23 Antibody (RQ4646)

Catalog No.	Formulation	Size
RQ4646	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	Q8VI82
Applications	Western blot: 0.5-1ug/ml Direct ELISA: 0.1-0.5ug/ml (recombinant rat protein)
Limitations	This FGF23 antibody is available for research use only.



Western blot testing of 1) rat testis, 2) rat PC-12 and 3) mouse testis lysate with FGF23 antibody at 0.5ug/ml. Predicted molecular weight: 28-32 kDa.

Description

Fibroblast growth factor 23, or FGF23, is a protein that in humans is encoded by the FGF23 gene. 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).

Application Notes

Optimal dilution of the FGF23 antibody should be determined by the researcher.

Immunogen

Amino acids Y25-V251 from the rat protein were used as the immunogen for the FGF23 antibody.

Storage

After reconstitution, the FGF23 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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