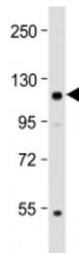


## Klotho Antibody (F54138)

Catalog No.	Formulation	Size
F54138-0.2ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.2 ml
F54138-0.05ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.05 ml

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Mouse
<b>Predicted Reactivity</b>	Human
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit Ig
<b>Purity</b>	Antigen affinity
<b>UniProt</b>	Q9UEF7
<b>Applications</b>	Western Blot : 1:2000
<b>Limitations</b>	This Klotho antibody is available for research use only.



Western blot testing of Klotho antibody at 1:2000 + mouse brain lysate. Predicted molecular weight ~116 kDa, observed at 120-135 kDa.

### Description

May have weak glycosidase activity towards glucuronylated steroids. However, it lacks essential active site Glu residues at positions 239 and 872, suggesting it may be inactive as a glycosidase in vivo. May be involved in the regulation of calcium and phosphorus homeostasis by inhibiting the synthesis of active vitamin D (By similarity). Essential factor for the specific interaction between FGF23 and FGFR1 (By similarity). [UniProt]

## Application Notes

The stated application concentrations are suggested starting points. Titration of the Klotho antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

Recombinant human Klotho was used as the immunogen for the Klotho antibody.

## Storage

Aliquot the Klotho antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.