

Klotho Rabbit mAb

Catalog # AP76812

Product Information

Application	WB, IHC-P
Primary Accession	Q9UEF7
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	116181

Additional Information

Gene ID	9365
Other Names	KL
Dilution	WB~~1:1000 IHC-P~~N/A
Format	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.

Protein Information

Name	KL
Function	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).
Cellular Location	[Isoform 1]: Cell membrane; Single-pass type I membrane protein. Apical cell membrane {ECO:0000250 UniProtKB:O35082}; Single-pass type I membrane protein {ECO:0000250 UniProtKB:O35082}. Note=Isoform 1 shedding leads to a soluble peptide. {ECO:0000250 UniProtKB:O35082} [Klotho peptide]: Secreted {ECO:0000250 UniProtKB:O35082}
Tissue Location	Present in cortical renal tubules (at protein level). Soluble peptide is present in serum and cerebrospinal fluid Expressed in kidney, placenta, small intestine and prostate. Down- regulated in renal cell carcinomas, hepatocellular carcinomas, and in chronic renal failure kidney.

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