



# Anti-KL (aa 100-200) polyclonal antibody (DPABH-27342)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	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. The Klotho peptide generated by cleavage of the membrane-bound isoform may be an anti-aging circulating hormone which would extend life span by inhibiting insulin/IGF1 signaling.
<b>Immunogen</b>	Synthetic peptide corresponding to Mouse Klotho aa 100-200 conjugated to Keyhole Limpet Haemocyanin (KLH). Database link: O35082
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Mouse, Rat
<b>Purification</b>	Affinity Purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, IHC-P
<b>Format</b>	Liquid
<b>Size</b>	100 µg
<b>Buffer</b>	pH: 7.40; Constituent: PBS
<b>Preservative</b>	Preservative: 0.02% Sodium azide

**Storage** Store at 4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

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## GENE INFORMATION

Gene Name	<a href="#">KL klotho [ Mus musculus ]</a>
Official Symbol	KL
Synonyms	KL; klotho; alpha-kl; secreted form of Klotho protein;
Entrez Gene ID	<a href="#">16591</a>
Protein Refseq	<a href="#">NP_038851.2</a>
UniProt ID	<a href="#">Q35082</a>
Pathway	Adaptive Immune System; Ascorbate biosynthesis, animals, glucose-1P => ascorbate; DAP12 interactions; Disease
Function	beta-glucuronidase activity; fibroblast growth factor binding; fibroblast growth factor binding; fibroblast growth factor receptor binding