

Datasheet for ABIN6242420
anti-Klotho antibody (C-Term)



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1 Image

Overview

Quantity:	200 µL
Target:	Klotho (KL)
Binding Specificity:	AA 284-315, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Klotho antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This Klotho antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 284-315 amino acids from the C-terminal region of human Klotho.
Clone:	RB55296
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	Klotho (KL)
Alternative Name:	Klotho (KL Products)
Background:	May have weak glycosidase activity towards glucuronylated steroids. However, it lacks

Target Details

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).

Molecular Weight: 116181

UniProt: [Q9UEF7](#)

Pathways: [Fc-epsilon Receptor Signaling Pathway](#), [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#), [Hormone Activity](#), [Growth Factor Binding](#)

Application Details

Application Notes: WB: 1:2000

Restrictions: For Research Use only

Handling

Format: Liquid

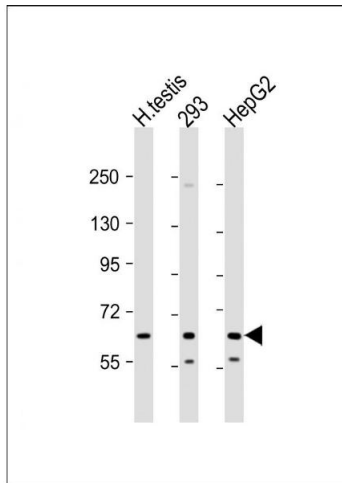
Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

Expiry Date: 6 months



Western Blotting

Image 1. All lanes : Anti-Klotho Antibody (C-term) at 1:2000 dilution Lane 1: human testis lysate Lane 2: 293 whole cell lysate Lane 3: HepG2 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 116 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.