

KLOTHO Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 254402

Unit: 0.1 mg

Description:

KLOTHO is the systemic anti-aging hormone within the glycosidase 1 superfamily. It encodes a type I membrane protein that is abundant in the kidney and brain. In mice, a deficiency in KLOTHO expression leads to various systemic phenotypes resembling human aging such as arteriosclerosis, osteoporosis, and skin atrophy together with growth retardation, short life-span and infertility. Transgenic mice overexpressing KLOTHO have an extended life span by inhibiting insulin/IGF1 signaling. KLOTHO is involved in the regulation of calcium/phosphorus homeostasis by inhibiting the synthesis of active vitamin D and identified as a potential tumor suppressor.

Isotype: Rabbit Ig

Applications: E, IF, IHC, WB

Species Reactivity: H, M, R

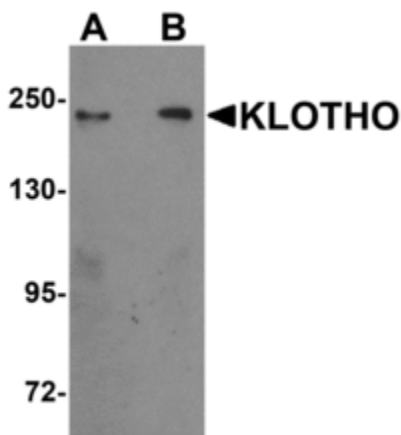
Format: Each vial contains 0.1 ml IgG in PBS pH 7.4 with 0.02% sodium azide. Antibody was purified by immunogen affinity chromatography.

Alternate Names: KL; KLOTHO

Accession No.: NP_004786

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the center region of human KLOTHO.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500; IHC:1:100-1:500; IF: 1:50-1:200



Western blot analysis of KLOTHO in rat heart tissue lysate with KLOTHO Antibody (Cat. No. 254402) at (A) 1 and (B) 2 ug/ml.

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.