

Rabbit KLOTHO Polyclonal Antibody | anti-KL antibody

KLOTHO Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA39442	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

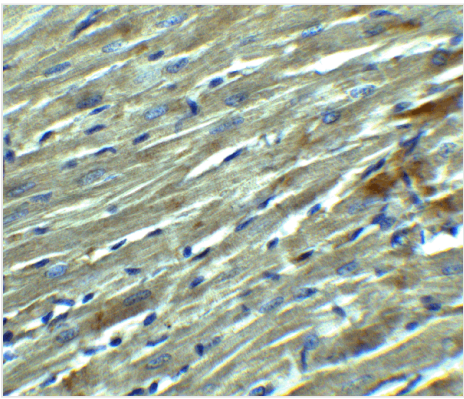
PRODUCT SYNONYMS

KLOTHO; Polyclonal Antibody; KLOTHO Antibody; Klotho; klotho; anti-KL antibody

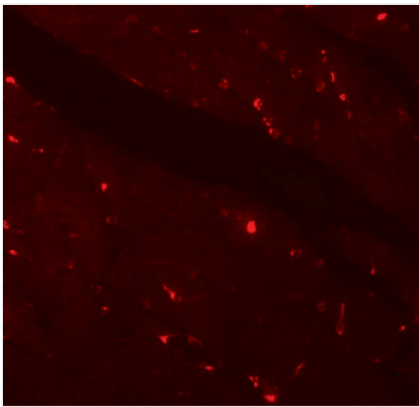
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Three isoforms of KLOTHO are known to exist.
Purity/Purification	KLOTHO Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	1012
Applicable Applications for anti-KL antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	KLOTHO antibody was raised against a 16 amino acid synthetic peptide near the center of human KLOTHO.
Buffer	KLOTHO Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	KLOTHO antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

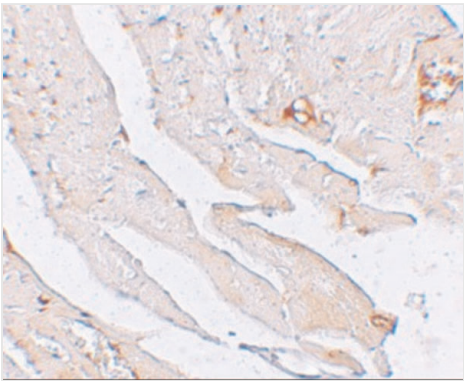
IMAGES



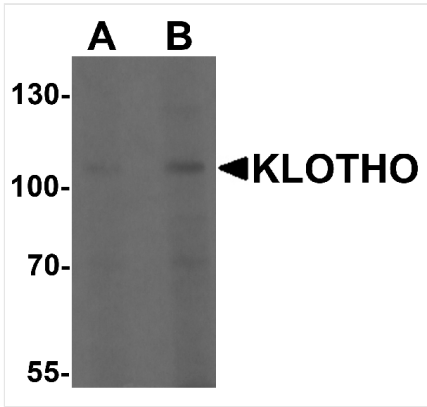
IHC (Immunohistochemistry)
Immunohistochemistry of KLOTHO in rat heart tissue with KLOTHO antibody at 2.5 μg/mL.



IF (Immunofluorescence)
Immunofluorescence of KLOTHO in mouse heart tissue with KLOTHO antibody at 20 μg/mL.



IHC (Immunohistochemistry)
Immunohistochemistry of KLOTHO in mouse heart tissue with KLOTHO antibody at 2.5 μg/mL.



WB (Western Blot)
Western blot analysis of KLOTHO in HepG2 cell lysate with KLOTHO antibody at (A) 1 and (B) 2 μg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-KL antibody	KLOTHO Antibody: KLOTHO is the systemic anti-aging hormone within the glycosidase1 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	24497614
NCBI GeneID	9365
NCBI Accession #	NP_004786
NCBI GenBank Nucleotide #	NM_004795.3
UniProt Accession #	Q9UEF7; Q5VZ95; Q96KV5; Q96KW5; Q9UEI9; Q9Y4F0
Molecular Weight	Predicted: 111 kDa Observed: 106 kDa

NCBI Official Full Name	klotho
NCBI Official Synonym Full Names	klotho
NCBI Official Symbol	KL
NCBI Protein Information	klotho
UniProt Protein Name	Klotho
UniProt Gene Name	KL
UniProt Entry Name	KLOT_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/klotho-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/39442>