KL polyclonal antibody

Catalog # PAB15643 Size 100 ug

Specification

Product Description	Goat polyclonal antibody raised aganist synthetic peptide of KL.
Immunogen	A synthetic peptide corresponding to amino acids at internal region of human KL.
Sequence	NQSQVNHTILQYYRC
Host	Goat
Theoretical MW (kDa)	116
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Recommend Usage	ELISA (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Enzyme-linked Immunoabsorbent Assay

Gene Info — KL

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Entrez GeneID	9365
Protein Accession#	NP_004786.2
Gene Name	KL
Gene Alias	-
Gene Description	klotho
Omim ID	604824
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a type-I membrane protein that is related to beta-glucosidases. Reduced prod uction of this protein has been observed in patients with chronic renal failure (CRF), and this may be one of the factors underlying the degenerative processes (e.g., arteriosclerosis, osteoporosis, and skin atrophy) seen in CRF. Also, mutations within this protein have been associated with agei ng and bone loss. [provided by RefSeq
Other Designations	OTTHUMP00000018796

Publication Reference

- Insulin stimulates the cleavage and release of the extracellular domain of Klotho by ADAM10 and ADAM17.

  Chen CD, Podvin S, Gillespie E, Leeman SE, Abraham CR.

  PNAS 2007 Dec; 104(50):19796.

  Application: WB-Ce, WB-Tr, Monkey, Mouse, COS-7 cells, Mouse brain, kidney

Disease

- Acute Disease
- Aging
- Alzheimer disease
- Anemia
- Angina Pectoris
- Atherosclerosis
- Brain Ischemia

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- Breast Neoplasms
- Calcinosis
- Cardiomyopathies
- Cardiovascular Diseases
- Carotid Artery Diseases
- Cerebrovascular Accident
- Chromosome Disorders
- Cognition
- Connective Tissue Diseases
- Coronary Artery Disease
- Coronary Stenosis
- Dementia
- Diabetes Mellitus
- Disease Progression
- Diseases in Twins
- Edema
- Embolism
- Fetal Diseases
- Fractures
- Genetic Predisposition to Disease
- Heart Diseases
- Hip Fractures
- Hypercalcemia
- Hypercalciuria
- Hypertension
- Infection

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- Inflammation
- Intelligence Tests
- Kidney Failure
- Musculoskeletal Diseases
- Neuropsychological Tests
- Osteoarthritis
- Osteoporosis
- Ovarian Neoplasms
- Pregnancy Complications
- Premature Birth
- Priapism
- Skin Diseases
- Spinal Osteophytosis
- Stroke
- Syndrome
- Thalassemia
- Tobacco Use Disorder
- Werner syndrome

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