

Klotho Rabbit mAb

Catalog NO.: A28997 **Recombinant**

Basic Information

Observed MW

120-130 kDa(full length)/65 kDa(secretory form)

Calculated MW

62 kDa/116 kDa

Category

Monoclonal Antibodies

Applications

WB, IF-F, IF-P, IHC-P, ELISA

Cross-Reactivity

Human, Mouse, Rat

Conjugation

Unconjugated

Clone number

ARC83249

Background

This gene encodes a type-I membrane protein that is related to beta-glucosidases. Reduced production 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 ageing and bone loss.

Recommended Dilutions

WB	1:2000 - 1:5000
IF-F	1:200 - 1:400
IF-P	1:200 - 1:400
IHC-P	1:50 - 1:200

ELISA

Recommended starting concentration is 1 µg/mL.
Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions ($\geq 1:10000$), a sequential dilution method is strongly recommended to ensure measurement accuracy.

Contact

Immunogen Information

Gene ID

9365

Swiss Prot

Q9UEF7

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

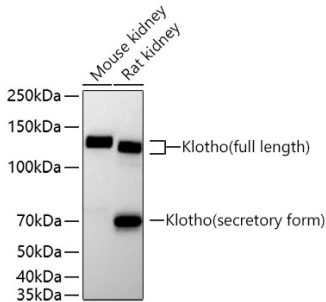
HFTC3A; KL

Product Information

☒		order@abclonal.com
☒		service@abclonal.com
☒		www.abclonal.com

Source	Isotype	Purification
Rabbit	IgG	Affinity purification
Storage		
Store at -20°C. Avoid freeze / thaw cycles.		
Buffer: PBS with 0.09% Sodium azide,0.05% BSA,50% glycerol,pH7.3.		

Validation Data



Western blot analysis of various lysates using Klotho Rabbit mAb (A28997) at 1:5000 dilution incubated overnight at 4°C.

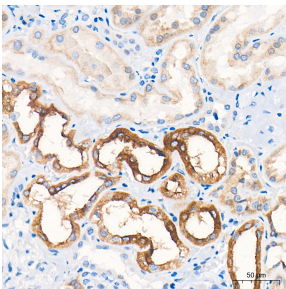
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 µg per lane.

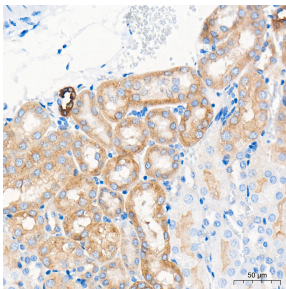
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

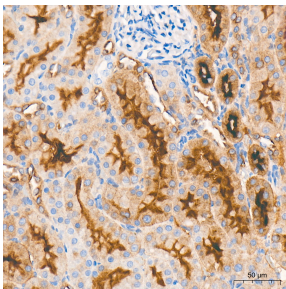
Exposure time: 90 s.



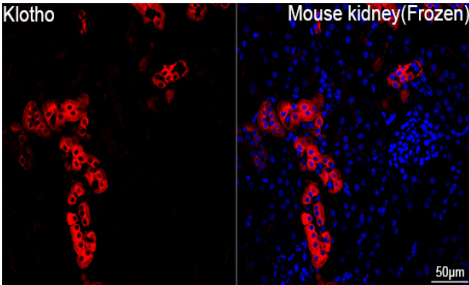
Immunohistochemistry analysis of paraffin-embedded Human kidney tissue using Klotho Rabbit mAb (A28997) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



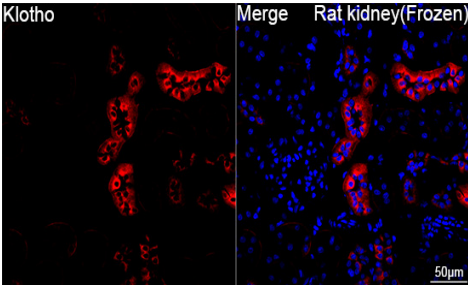
Immunohistochemistry analysis of paraffin-embedded Mouse kidney tissue using Klotho Rabbit mAb (A28997) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



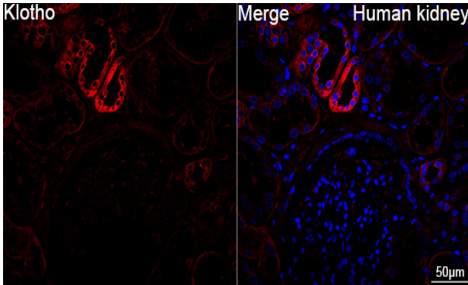
Immunohistochemistry analysis of paraffin-embedded Rat kidney tissue using Klotho Rabbit mAb (A28997) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Confocal imaging of frozen sections of Mouse kidney tissue using Klotho Rabbit mAb (A28997, dilution 1:200) followed by a further incubation with Cy3-conjugated



Confocal imaging of frozen sections of Rat kidney tissue using Klotho Rabbit mAb (A28997, dilution 1:200) followed by a further incubation with Cy3-conjugated



Confocal imaging of paraffin-embedded Human kidney tissue using Klotho Rabbit mAb (A28997, dilution 1:200) followed by a further incubation with Cy3-conjugated

Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red).
DAPI was used for nuclear staining (Blue). Microwave
antigen retrieval performed with 0.01M Citrate Buffer
(pH 6.0) prior to IF staining. Objective: 40x.

Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red).
DAPI was used for nuclear staining (Blue). Microwave
antigen retrieval performed with 0.01M Citrate Buffer
(pH 6.0) prior to IF staining. Objective: 40x.

Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red).
DAPI was used for nuclear staining (Blue). High pressure
antigen retrieval performed with 0.01M Citrate Buffer
(pH 6.0) prior to IF staining. Objective: 40x.