

KO603

Anti Human klotho Monoclonal Antibody

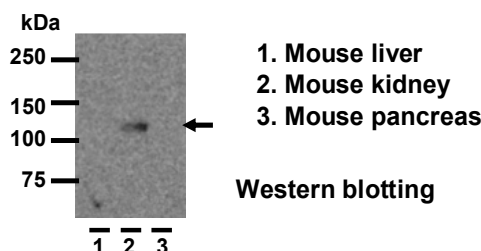
(Clone No. KM2076)

Code No.	KO603
Category	Others
Target	klotho
Type	Monoclonal Antibody
Concentration	0.25mg/ml
Contents (Volume)	50µg (200µL/vial)
Gene ID	9365
Primary Source	HGNC:6344
Synonyms	KL
Immunogen	Human Klotho 55-261a.a.
Raised in	Rat
Myeloma	P3U1
Clone number	KM2076
Purification	ProteinG
Source	Serum-free medium
Isotype	IgG2a
Cross Reactivity	Mouse, Rat
Label	Unlabeled
Buffer	PBS [containing 2% Block Ace as a stabilizer, 0.1% Proclin as a bacteriostat]
Storage	Store below -20°C. Once thawed, store at 4°C. Repeated freeze-thaw cycles should be avoided.
Application	WB,IHC

Recommended Antibody Dilutions

ELISA	WB	IHC	ICC
Not Tested	1.0-5.0	2.0-10	Not Tested
IP	FCM	IF	Neutralization
Not Tested	Not Tested	Not Tested	Not Tested

(µg/mL)



This antibody was prepared by Kyowa Hakko Kirin Co., Ltd.

UniProt Summary	May have weak glycosidase activity towards glucuronylated steroids. However, it lacks 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. The Klotho peptide generated by cleavage of the membrane-bound isoform may be an anti-aging circulating hormone which would extend life span by inhibiting insulin/IGF1 signaling By similarity.
Reference	1) Kato Y, et al: Biochem Biophys Res Commun. 2000 Jan 19;267(2):597-602.* 2) Tohyama O, et al: J Biol Chem. 2004 Mar 12;279(11):9777-84. 3) Imura A, et al: FEBS Lett. 2004 May 7;565(1-3):143-7.* 4) Imura A, et al: Science. 2007 Jun 15;316(5831):1615-8.* 5) Brownstein CA, et al: Proc Natl Acad Sci U S A. 2008 Mar 4;105(9):3455-60.*

*Application Reference