

## Goat anti-Klotho Antibody

<b>Item Number</b>	dAP-0726
<b>Target Molecule</b>	Principle Name: Klotho; Official Symbol: KL; All Names and Symbols: KL; klotho ; Accession Number (s): NP_004786.2; NP_710150.1; Human Gene ID(s): 9365; Non-Human GeneID(s):
<b>Immunogen</b>	KRDDAKYMYYLKK, is from internal region This antibody is expected to recognise both reported isoforms (NP_004786.2; NP_710150.1).
<b>Applications</b>	Pep ELISA, IHC Species Tested: Human
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Supplied As</b>	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
<b>Peptide ELISA</b>	Peptide ELISA: antibody detection limit dilution 1 to 4000.
<b>Western Blot</b>	Western Blot: Preliminary experiments in Human Brain, Duodenum, Placenta and Prostate lysates gave no specific signal but low background at antibody concentration up to 1µg/ml.
<b>IHC</b>	Immunohistochemistry: In paraffin embedded Human Breast shows cytoplasm staining in luminal epithelial cells of ducts, while Human Placenta shows membranous staining. Recommended concentration: 4-6µg/ml.
<b>Reference</b>	Reference(s): Kurosu H, Yamamoto M, Clark JD, Pastor JV, Nandi A, Gurnani P, McGuinness OP, Chikuda H, Yamaguchi M, Kawaguchi H, Shimomura I, Takayama Y, Herz J, Kahn CR, Rosenblatt KP, Kuro-o M. Suppression of ageing in mice by the hormone Klotho. Science. 2005 Sep 16;309(5742):1829-33. Epub

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**