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Research Use Only. Not for diagnostic or therapeutic use.

# EB07011 - Goat Anti-Klotho Antibody

Size: 100µg specific antibody in 200µl



# **Target Protein**

Principal Names: KL, klotho

Official Symbol: KL

Accession Number(s): NP\_004786.2; NP\_710150.1

Human GeneID(s): 9365

Important Comments: This antibody is expected to recognise both reported isoforms

(NP\_004786.2; NP\_710150.1).

### **Immunogen**

Peptide with sequence C-KRDDAKYMYYLKK, from the internal region of the protein sequence according to NP\_004786.2; NP\_710150.1.

Please note the peptide is available for sale.

## **Purification and Storage**

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 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.

# **Applications Tested**

Peptide ELISA: antibody detection limit dilution 1:4000.

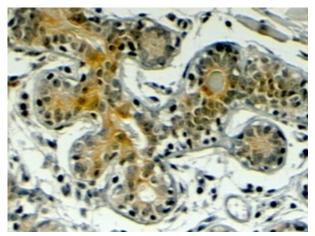
**Western blot:** Preliminary experiments in Human Brain, Duodenum, Placenta and Prostate lysates gave no specific signal but low background at antibody concentration up to 1µg/ml.

**IHC:** 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.

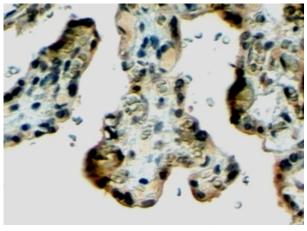
### **Species Reactivity**

Tested: Human

Expected from sequence similarity: Human, Mouse, Rat



EB07011 (4μg/ml) staining of paraffin embedded Human Breast. Steamed antigen retrieval with citrate buffer pH 6, HRP-staining.



EB07011 (4 $\mu$ g/ml) staining of paraffin embedded Human Placenta. Steamed antigen retrieval with citrate buffer pH 6, HRP-staining.