



KLK1, Glandular kallikrein 1 polyclonal antibody

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Box 1 | Basic Info

Cat. No.	ABP-PAB-C0002
Animal ID	RC40104
Host	Chicken
Reactivity	Human
Format	Purified
Accession number	NM_002257
Amount	100 µg

Alternative Name(s): KLKR, Klk6, tissue kallikrein, glandular kallikrein 1, kallikrein serine protease 1, renal / pancreas / salivary kallikrein

Kallikreins are a subgroup of serine proteases which possess diverse physiological functions. Many kallikreins are implicated in carcinogenesis and some have potential as novel cancer and other disease biomarkers. Fifteen kallikrein genes are located in a cluster on chromosome 19, including the gene for kallikrein 1 (KLK1). KLK1 is functionally conserved in its capacity to release the vasoactive peptide, Lysbradykinin, from low molecular weight kininogen.

Buffers

Purified chicken polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column and eluted out with both high and low pH buffers and neutralized immediately after elution then followed by dialysis against PBS.

Immunogen

C-terminal partial protein

Application:

Tested by peptide-specific ELISA (1:1,000).

Storage:

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C. Avoid repeated freeze-thaw cycles.

References:

1. Dedio J, Wiemer G, Rutten H, Dendorfer A, Scholkens BA, Muller-Esterl W, Wohlfart P: Tissue kallikrein KLK1 is expressed de novo in endothelial cells and mediates relaxation of human umbilical veins. *Biol. Chem.* 382(10): 1483-1490 (2001).
2. Clements J, Hooper J, Dong Y, Harvey T: The expanded human kallikrein (KLK) gene family: genomic organisation, tissue-specific expression and potential functions. *Biol Chem.* 382(1): 5-14 (2001). Review.