

AP13358PU-N**Polyclonal Antibody to KLK2 / Kallikrein-2 (C-term) - Purified**

Alternate names:	Glandular kallikrein-1, Kallikrein 2, Kallikrein2, Tissue kallikrein-2, hGK-1, hK2
Quantity:	0.4 ml
Concentration:	lot specific
Background:	Kallikreins are a group of serine proteases manifesting diverse physiological functions. The glandular kallikreins are a distinct group of serine proteases with an ability to release vasoactive peptides from kininogen in vitro, although the kininogenase activity of different kallikreins is highly variable. Glandular kallikreins cleave Met-Lys and Arg-Ser bonds in kininogen to release Lys-bradykinin. Many kallikrein genes are differentially expressed in various malignancies. Human glandular kallikrein (hK2; encoded by the KLK2 gene) is an emerging tumor marker for prostate cancer.
Uniprot ID:	P20151
NCBI:	NP_001002231.1
GeneID:	3817
Host / Isotype:	Rabbit / Ig
Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the C-terminal region of human KLK2.
Format:	State: Liquid purified Ig Purification: Protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS Buffer System: PBS with 0.09% (W/V) sodium azide
Applications:	ELISA: 1/1,000. Western Blot. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody reacts to Kallikrein 2 (KLK2). Species: Human. Other species not tested.
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
Caution:	This product is for research use only. Not for use in diagnostic or therapeutic procedures.
General Readings:	1. Haese, A., et al., J Urol. 2005 Mar;173(3):752-6. 2. Chiang, C.H., et al., J Urol. 2005 Feb;173(2):429-32. 3. Clements, J.A., et al., Crit Rev Clin Lab Sci. 2004;41(3):265-312. 4. Borgono, C.A., et al., Mol Cancer Res. 2004 May;2(5):257-80. 5. Yousef, G.M., Clin Biochem. 2003 Sep;36(6):443-52.

Pictures:

Western blot analysis of Kallikrein 2 (KLK2) Antibody (C-term) in K562 cell line lysates (35ug/lane). KLK2 (arrow) was detected using the purified Pab.

