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# KLK2 Rabbit pAb

Catalog # AP98200

## Product Information

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| **Application** | IHC-P, IHC-F, IF, E |
| **Primary Accession** | P20151 |
| **Other Accession** | P20151 |
| **Predicted** | Rat, Human, Mouse |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 28671 |
| **Physical State** | Liquid |
| **Immunogen** | KLH conjugated synthetic peptide derived from human KLK2 |
| **Epitope Specificity** | 171-261/261 |
| **Isotype** | IgG |
| **Purity** | affinity purified by Protein A |
| **Buffer** | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. |
| **SIMILARITY** | Belongs to the peptidase S1 family. Kallikrein subfamily. Contains 1 peptidase S1 domain. |
| **Important Note** | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. |
| **Background Descriptions** | Kallikreins (KLKs) are a subgroup of trypsin-like serine proteases and are implicated in carcinogenesis. Kallikrein 2 is most closely related to Kallikrein 3 (PSA), with 78% identity and with kallikrein 1, at 68% identity. Like Kallikrein 3, Kallikrein 2 is found in greatest abundance in the prostate, but at much lower levels than Kallikrein 3. In addition, Kallikrein 2 seems to be more labile than Kallikrein 1 or Kallikrein 3 and is often found in a cleaved form. Kallikrein 2 is inhibited by Protein C Inhibitor (PCI). |

## Additional Information

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| **Gene ID** | 3817 |
| **Other Names** | KLK2A2; hGK-1; hK2; Klk1c4; Klk4; KLK2_HUMAN; KLK2; Glandular kallikrein-1 (hGK-1); Tissue kallikrein-2; 3.4.21.35; KLK2_RAT; Esterase 1; Glandular kallikrein-2 (rGK-2); RSKG-5; S2 kallikrein; Klk-2; Ton; kallikrein related peptidase 2; kallikrein 2, prostatic |
| **Dilution** | IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000 |
| **Storage** | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |

## Protein Information

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| **Name** | KLK2 |
| **Function** | Glandular kallikreins cleave Met-Lys and Arg-Ser bonds in kininogen to release Lys-bradykinin. |

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.