



# Kallikrein-1 (Cleaved-Ile25) rabbit pAb

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|---------------------------|--|
| <b>Catalog No</b>         | YP-Ab-02308  |
| <b>Isotype</b>            | IgG  |
| <b>Reactivity</b>         | Human;Mouse;Rat  |
| <b>Applications</b>       | WB; ELISA  |
| <b>Gene Name</b>          | KLK1   |
| <b>Protein Name</b>       | Kallikrein-1 (Cleaved-Ile25)   |
| <b>Immunogen</b>          | Synthesized peptide derived from human Kallikrein-1 (Cleaved-Ile25)  |
| <b>Specificity</b>        | This antibody detects endogenous levels of Human,Mouse,Rat Kallikrein-1 (Cleaved-Ile25, protein was cleaved amino acid sequence between 24-25 )  |
| <b>Formulation</b>        | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  |
| <b>Source</b>             | Polyclonal, Rabbit,IgG   |
| <b>Purification</b>       | The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.  |
| <b>Dilution</b>           | WB 1:1000-2000 ELISA 1:5000-20000  |
| <b>Concentration</b>      | 1 mg/ml  |
| <b>Purity</b>             | ≥90%   |
| <b>Storage Stability</b>  | -20°C/1 year   |
| <b>Synonyms</b>           | Kallikrein-1 (EC 3.4.21.35;Kidney/pancreas/salivary gland kallikrein;Tissue kallikrein)  |
| <b>Observed Band</b>      | 25kD   |
| <b>Cell Pathway</b>       |  |
| <b>Tissue Specificity</b> | Isoform 2 is expressed in pancreas, salivary glands, kidney, colon, prostate gland, testis, spleen and the colon adenocarcinoma cell line T84.   |
| <b>Function</b>           | catalytic activity:Preferential cleavage of Arg- -Xaa bonds in small molecule substrates. Highly selective action to release kallidin (lysyl-bradykinin) from kininogen involves hydrolysis of Met- -Xaa or Leu- -Xaa.,function:Glandular kallikreins cleave Met-Lys and Arg-Ser bonds in kininogen to release Lys-bradykinin.,online information:Kallikrein entry,PTM:The O-linked polysaccharides on Ser-93, Ser-104 and Ser-167 are probably the mucin type linked to GalNAc. In PubMed:3163150, GalNAc was detected with the corresponding peptides but not located.,similarity:Belongs to the peptidase S1 family.,similarity:Belongs to the peptidase S1 family. Kallikrein subfamily.,similarity:Contains 1 peptidase S1 domain.,tissue specificity:Isoform 2 is expressed in pancreas, salivary glands, kidney, colon, prostate gland, testis, spleen and the colon adenocarcinoma cell line T84., |
| <b>Background</b>         | Kallikreins are a subgroup of serine proteases having diverse physiological functions. Growing evidence suggests that many kallikreins are implicated in   |



carcinogenesis and some have potential as novel cancer and other disease biomarkers. This gene is one of the fifteen kallikrein subfamily members located in a cluster on chromosome 19. This protein is functionally conserved in its capacity to release the vasoactive peptide, Lys-bradykinin, from low molecular weight kininogen. [provided by RefSeq, Jul 2008],

**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images