

**Kallikrein-1 (Cleaved-Ile25) rabbit pAb**

<b>Catalog No :</b>	YC0178
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB;ELISA
<b>Target :</b>	Kallikrein-1
<b>Fields :</b>	>>Renin-angiotensin system;>>Endocrine and other factor-regulated calcium reabsorption
<b>Gene Name :</b>	KLK1
<b>Protein Name :</b>	Kallikrein-1 (Cleaved-Ile25)
<b>Human Gene Id :</b>	3816
<b>Human Swiss Prot No :</b>	P06870/P20151/P07288
<b>Mouse Gene Id :</b>	16612
<b>Mouse Swiss Prot No :</b>	P15947
<b>Rat Gene Id :</b>	24594
<b>Rat Swiss Prot No :</b>	P00758
<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>Dilution :</b>	WB 1:1000-2000 ELISA 1:5000-20000

**Purification :** The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.

**Concentration :** 1 mg/ml

**Storage Stability :** -15°C to -25°C/1 year(Do not lower than -25°C)

**Observed Band :** 25kD

**Background :** 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],

**Function :** 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.,

**Expression :** Isoform 2 is expressed in pancreas, salivary glands, kidney, colon, prostate gland, testis, spleen and the colon adenocarcinoma cell line T84.

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