



# KLK1 Monoclonal Antibody

<b>Catalog No</b>	YP-mAb-02871
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Rat;Mouse;
<b>Applications</b>	WB
<b>Gene Name</b>	KLK1
<b>Protein Name</b>	Kallikrein-1
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from the Internal region of human KLK1. AA range:81-130
<b>Specificity</b>	KLK1 Monoclonal Antibody detects endogenous levels of KLK1 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Monoclonal, Mouse,IgG
<b>Purification</b>	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-1:2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	KLK1; Kallikrein-1; Kidney/pancreas/salivary gland kallikrein; Tissue kallikrein
<b>Observed Band</b>	29kD
<b>Cell Pathway</b>	nucleus,extracellular exosome,
<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],

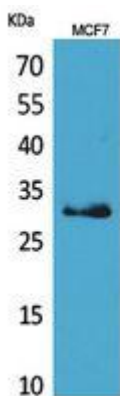
**matters needing attention**

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



Western Blot analysis of various cells using KLK1 Monoclonal Antibody