

## KLK4 rabbit monoclonal antibody

Catalog # H00009622-K      Size 100 ug x up to 3

### Specification

<b>Product Description</b>	Rabbit monoclonal antibody raised against a human KLK4 peptide using ARM Technology.
<b>Immunogen</b>	A synthetic peptide of human KLK4 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
<b>Host</b>	Rabbit
<b>Library Construction</b>	Non-fusion antibody library from rabbit spleen ( <a href="#">ARM Technology</a> ).
<b>Expression</b>	Overexpression vector and transfection into 293H cell line.
<b>Reactivity</b>	Human
<b>Purification</b>	Protein A
<b>Isotype</b>	IgG
<b>Quality Control Testing</b>	Antibody reactive against human KLK4 peptide by ELISA and mammalian transfected lysate by Western Blot.
<b>Storage Buffer</b>	In 1x PBS, pH 7.4
<b>Storage Instruction</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
<b>Deliverable</b>	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
<b>Note</b>	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) <sub>2</sub> , IgG, scFv and different Fc and non-Fc conjugates per customer request.

### Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

## Gene Info — KLK4

Entrez GeneID	<a href="#">9622</a>
GeneBank Accession#	<a href="#">KLK4</a>
Gene Name	KLK4
Gene Alias	ARM1, EMSP, EMSP1, KLK-L1, MGC116827, MGC116828, PROSTASE, PRSS17, PSTS
Gene Description	kallikrein-related peptidase 4
Omim ID	<a href="#">204700 603767</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	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. In some tissues its expression is hormonally regulated. The expression pattern of a similar mouse protein in murine developing teeth supports a role for the protein in the degradation of enamel proteins. Alternate splice variants for this gene have been described, but their biological validity has not been determined. [provided by RefSeq]
Other Designations	androgen-regulated message 1 enamel matrix serine protease 1 kallikrein 4 (prostase, enamel matrix, prostate) kallikrein-like protein 1 protease, serine, 17

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