



## Rabbit Anti-KLK11 antibody

SL3799R

|                               |   |
|-------------------------------|---|
| <b>Product Name:</b>          | KLK11   |
| <b>Chinese Name:</b>          | 激肽释放酶11抗体   |
| <b>Alias:</b>                 | Hippostasin; hK11; KLK 11; KLK-11; kallikrein 11; Kallikrein 11 isoform 1 preproprotein; Kallikrein 11 isoform 2 precursor; Kallikrein 11 precursor; kallikrein related peptidase 11; KLK 11; KLK11; Protease serine 20 trypsin like; Protease serine trypsin like; PRSS20; Serine protease 20; TLSP; Trypsin like protease; KLK11 HUMAN. |
| <b>Organism Species:</b>      | Rabbit  |
| <b>Clonality:</b>             | Polyclonal  |
| <b>React Species:</b>         | Human,Mouse,Rat,Dog,  |
| <b>Applications:</b>          | WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair)<br>not yet tested in other applications.<br>optimal dilutions/concentrations should be determined by the end user.  |
| <b>Molecular weight:</b>      | 25kDa   |
| <b>Cellular localization:</b> | cytoplasmicSecretory protein  |
| <b>Form:</b>                  | Lyophilized or Liquid   |
| <b>Concentration:</b>         | 1mg/ml  |
| <b>immunogen:</b>             | KLH conjugated synthetic peptide derived from human KLK11:201-282/282   |
| <b>Lsotype:</b>               | IgG   |
| <b>Purification:</b>          | affinity purified by Protein A  |
| <b>Storage Buffer:</b>        | 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.  |
| <b>Storage:</b>               | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.             |
| <b>PubMed:</b>                | <a href="#">PubMed</a>  |
| <b>Product Detail:</b>        | Kallikrein 11 has two alternative splicing isoforms, known as the brain type and prostate type. Elevated serum levels of hK11 have been found in 70% of women with ovarian cancer and in 60% of men with prostate cancer. Analysis of this biomarker in   |

serum may aid in the diagnosis and monitoring of ovarian and prostatic carcinoma.

**Function:**

Possible multifunctional protease. Efficiently cleaves 'bz-Phe-Arg-4-methylcoumaryl-7-amide', a kallikrein substrate, and weakly cleaves other substrates for kallikrein and trypsin. Cleaves synthetic peptides after arginine but not lysine residues.

**Subcellular Location:**

Isoform 1: Secreted.

Isoform 2: Golgi apparatus.

**Tissue Specificity:**

Expressed in brain, skin and prostate. Isoform 1 is expressed preferentially in brain. Isoform 2 is expressed in prostate. Present in seminal plasma at concentrations ranging from 2 to 37 microg/mL (at protein level).

**Post-translational modifications:**

About 40% of KLK11 is inactivated by internal cleavage after Arg-188. This proteolytic inactivation may be effected by plasminogen.

**Similarity:**

Belongs to the peptidase S1 family. Kallikrein subfamily.  
Contains 1 peptidase S1 domain.

**SWISS:**

Q9UBX7

**Gene ID:**

11012

**Database links:**

[Entrez Gene: 11012](#)Human

[Entrez Gene: 56538](#)Mouse

[Omin: 604434](#)Human

[SwissProt: Q9UBX7](#)Human

[SwissProt: Q9QYN3](#)Mouse

[Unigene: 57771](#)Human

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

