

Anti-KLK11 Antibody

Catalog # ABO10945

Product Information

Application	WB, IHC-P
Primary Accession	Q9UBX7
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Kallikrein-11(KLK11) detection. Tested with WB, IHC-P in Human.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	11012
Other Names	Kallikrein-11, hK11, 3.4.21.-, Hippostasin, Serine protease 20, Trypsin-like protease, Kallikrein-11 inactive chain 1, Kallikrein-11 inactive chain 2, KLK11, PRSS20, TLSP
Calculated MW	31059
Application Details	Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, By Heat Western blot, 0.1-0.5 µg/ml, Human
Subcellular Localization	Isoform 1: Secreted.
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). .
Source	Eukaryota
Protein Name	Kallikrein-11(hK11)
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg Na ₃ .
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Kallikrein 11(233-250aa YTKVCKYVDWIQETMKNN).
Purification	Immunogen affinity purified.

Cross Reactivity	No cross reactivity with other proteins
Storage	At -20 °C for one year. After reconstitution, at 4 °C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.
Sequence Similarities	Belongs to the peptidase S1 family. Kallikrein subfamily.

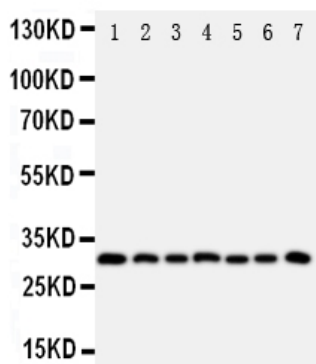
Protein Information

Name	KLK11
Synonyms	PRSS20, TLSP
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.
Cellular Location	[Isoform 1]: Secreted.
Tissue Location	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).

Background

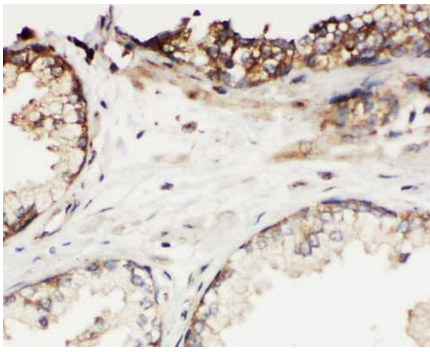
KLK11(KALLIKREIN 11), also called PRSS20 or TLSP, is a protein that in humans is encoded by the KLK11 gene. KLK11 is a member of the kallikrein subfamily of serine proteases, which are involved in a variety of enzymatic processes. The KLK11 gene is mapped to 19q13.41. The KLK11 gene contains 6 exons, the first of which is noncoding. KLK11 shares 48% amino acid sequence identity with mouse neuropsin, 43% identity with both human trypsin-1 and human kallikrein, and 38% identity with the mouse nerve growth factor gamma subunit. Alternate splicing of the KLK11 gene results in two transcript variants encoding two different isoforms which are differentially expressed. Western blot analysis of recombinant KLK11 suggested that the protein is secreted and posttranslationally processed.

Images



Anti-Kallikrein 11 antibody, ABO10945, Western blotting
 All lanes: Anti Kallikrein 11 (ABO10945) at 0.5ug/mL
 Lane 1: U87 Whole Cell Lysate at 40ug
 Lane 2: A549 Whole Cell Lysate at 40ug
 Lane 3: HELA Whole Cell Lysate at 40ug
 Lane 4: MM231 Whole Cell Lysate at 40ug
 Lane 5: MM453 Whole Cell Lysate at 40ug
 Lane 6: COLO320 Whole Cell Lysate at 40ug
 Lane 7: JURKAT Whole Cell Lysate at 40ug
 Predicted bind size: 31KD
 Observed bind size: 31KD

Anti-Kallikrein 11 antibody, ABO10945, IHC(P)
 Human Prostatic Cancer Tissue



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.