

Anti-KLK11 Antibody
Catalog # ABO10945

Specification

Anti-KLK11 Antibody - Product Information

Application	WB, IHC
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.

Anti-KLK11 Antibody - 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 MW KDa

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). .

Protein Name

Kallikrein-11(hK11)

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg Thimerosal, 0.05mg NaN₃.

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 r°Constitution, 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.

Anti-KLK11 Antibody - 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

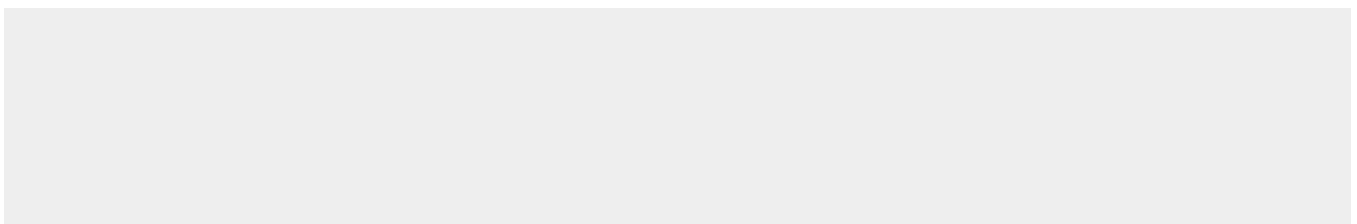
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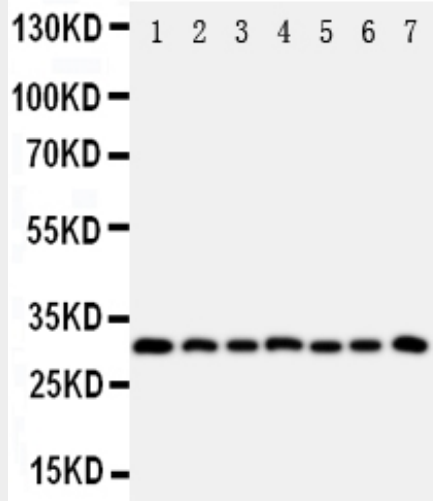
Anti-KLK11 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

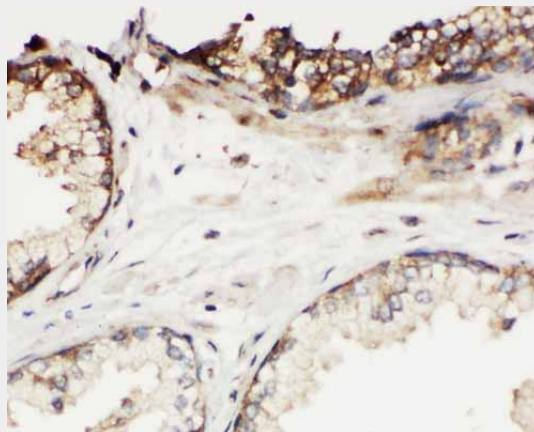
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-KLK11 Antibody - 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) IHC(P): Human Prostatic Cancer Tissue

Anti-KLK11 Antibody - 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.