

Datasheet for ABIN3043137

anti-Kallikrein 11 antibody (C-Term)**2** Images**1** Publication[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	Kallikrein 11 (KLK11)
Binding Specificity:	AA 233-250, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Kallikrein 11 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Kallikrein-11(KLK11) detection. Tested with WB, IHC-P in Human.
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human Kallikrein 11(233-250aa YTKVCKYVDWIQETMKNN).
Sequence:	YTKVCKYVDW IQETMKNN
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Kallikrein-11(KLK11) detection. Tested with WB, IHC-P in Human. Gene Name: kallikrein-related peptidase 11 Protein Name: Kallikrein-11(hK11)

Product Details

Purification: Immunogen affinity purified.

Target Details

Target: Kallikrein 11 (KLK11)

Alternative Name: KLK11 ([KLK11 Products](#))

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.

Synonyms: Hippostasin antibody|hK11 antibody|Kallikrein 11 antibody|Kallikrein 11 isoform 1 preproprotein antibody|Kallikrein 11 isoform 2 precursor antibody|Kallikrein 11 precursor antibody|Kallikrein related peptidase 11 antibody|Kallikrein-11 inactive chain 2 antibody|KLK 11 antibody|Klk11 antibody|KLK11_HUMAN antibody|MGC33060 antibody|Protease serine 20 trypsin like antibody|Protease serine trypsin like antibody|PRSS20 antibody|Serine protease 20 antibody|TLSP antibody|Trypsin like protease antibody|Trypsin-like protease antibody

Pathways: [Complement System](#)

Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human
IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.
Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities. Other applications have not been tested.
Optimal dilutions should be determined by end users.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Concentration: 500 µg/mL

Buffer: Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na₂HPO₄, 0.05 mg Thimerosal, 0.05 mg Sodium azide.

Preservative: Thimerosal (Merthiolate), Sodium azide

Precaution of Use: This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: 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.

Expiry Date: 12 months

Publications

Product cited in: Yang, Gao, Wu, Yu, Li, Meng, Li, Yan, Jin: "Epigallocatechin-3-gallate attenuates neointimal hyperplasia in a rat model of carotid artery injury by inhibition of high mobility group box 1 expression." in: **Experimental and therapeutic medicine**, Vol. 14, Issue 3, pp. 1975-1982, (2017) ([PubMed](#)).

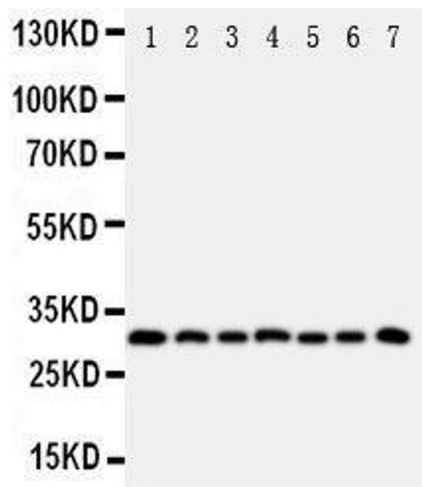
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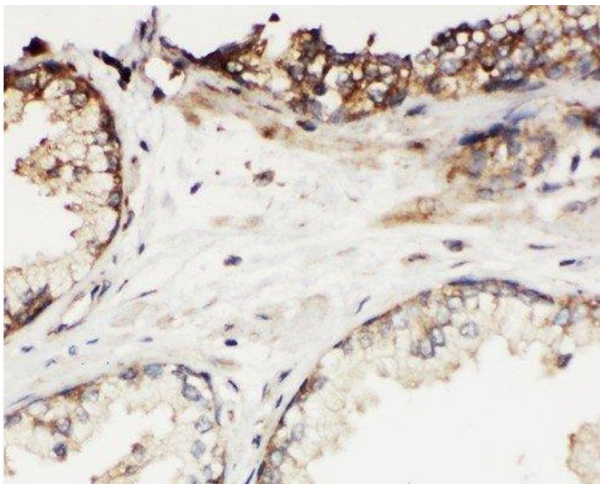
Wang, Zhang, Liu, Cui, Yang, Li, Du: "Tanshinone II A down-regulates HMGB1, RAGE, TLR4, NF-kappaB expression, ameliorates BBB permeability and endothelial cell function, and protects rat brains against focal ischemia." in: **Brain research**, Vol. 1321, pp. 143-51, (2010) ([PubMed](#)).

Validation report #100035 for Immunohistochemistry (IHC)



Western Blotting

Image 1.



Immunohistochemistry

Image 2. Anti-Kallikrein 11 antibody, IHC(P) IHC(P): Human Prostatic Cancer Tissue