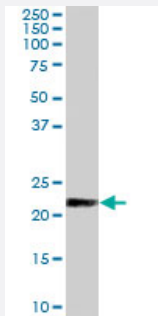


KLK2 polyclonal antibody

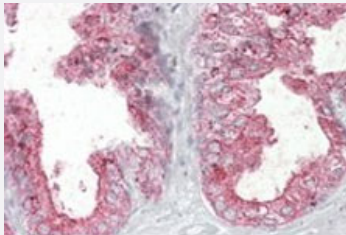
Catalog # PAB7226 Size 100 ug

Applications



Western Blot (Tissue lysate)

KLK2 polyclonal antibody (Cat # PAB7226) (0.1 ug/mL) staining of human prostate lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

KLK2 polyclonal antibody (Cat # PAB7226) (3.8 ug/mL) staining of paraffin embedded human prostate. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of KLK2.
Immunogen	A synthetic peptide corresponding to internal region of human KLK2.
Sequence	C-KHQSLRPDEDSSHD
Host	Goat
Theoretical MW (kDa)	28.7, 24.7
Reactivity	Human
Specificity	This antibody is expected to recognize both reported isoforms (NP_005542.1, NP_001002231.1).

Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Recommend Usage	ELISA (1:16000) Western Blot (0.1-0.3 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (2.5-3.8 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — KLK2

Entrez GeneID	3817
Protein Accession#	NP_005542.1;NP_001002231.1
Gene Name	KLK2
Gene Alias	KLK2A2, MGC12201, hK2
Gene Description	kallikrein-related peptidase 2
Omim ID	147960

Gene Ontology	Hyperlink
Gene Summary	prostatic
Other Designations	glandular kallikrein 2 kallikrein 2, prostatic

Publication Reference

- [Porous silicon microarray for simultaneous fluorometric immunoassay of the biomarkers prostate-specific antigen and human glandular kallikrein 2.](#)
Lee S, Hosokawa K, Kim S, Jeong OC, Lilja H, Laurell T, Maeda M.
Microchimica Acta 2016 Oct; 183(12):3321.
Application: Array, Human, Human serum
- [Simple and robust antibody microarray-based immunoassay platform for sensitive and selective detection of PSA and hK2 toward accurate diagnosis of prostate cancer.](#)
S W Lee, K Hosokawa, S Kim, T Laurell, M Maeda.
Sensing and Bio-Sensing Research 2015 Mar; 3:105.
Application: Det Ab, Human, Human serum, Recombinant proteins
- [Three new serum markers for prostate cancer detection within a percent free PSA-based artificial neural network.](#)
Stephan C, Xu C, Brown DA, Breit SN, Michael A, Nakamura T, Diamandis EP, Meyer H, Cammann H, Jung K.
Prostate 2006 May; 66(6):651.

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