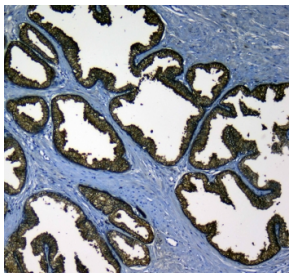
KLK2 Antibody / Kallikrein 2 (RQ4132)

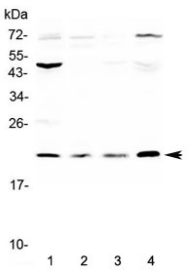
Catalog No.	Formulation	Size
RQ4132	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P20151
Localization	Cytoplasmic
Applications	Western Blot : 0.5-1ug/ml IHC (FFPE) : 1-2ug/ml Direct ELISA : 0.1-0.5ug/ml
Limitations	This KLK2 antibody is available for research use only.



IHC testing of FFPE human prostate cancer tissue with KLK2 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



Western blot testing of human 1) MCF7, 2) COLO320, 3) SK-OV-3 and 4) HepG2 cell lysate with KLK2 antibody at 0.5ug/ml. Predicted molecular weight ~17-29 kDa (multiple isoforms).

Description

KLK2 (KALLIKREIN 2), also called GLANDULAR or PROSTATIC, is a protein that in humans is encoded by the KLK2 gene, and is particularly associated with prostatic tissue. The KLK2 is a member of glandular kallikrein gene family that comprises 25 to 30 highly homologous genes that encode specific proteases involved in the processing of biologically active peptides. The KLK2 gene is mapped to 19q13.33.And the KLK2 gene contains 5 exons. An alternative KLK2 transcript, which they call KLK2-linked molecule (KLM), that arises from the use of an alternate donor site within intron 1.KLM shares only the N-terminal 15-amino acid signal peptide with the original KLK2 protein; the mature proteins display no similarity.

Application Notes

Optimal dilution of the KLK2 antibody should be determined by the researcher.

Immunogen

A recombinant human partial protein corresponding to amino acids I25-P261 was used as the immunogen for the KLK2 antibody.

Storage

After reconstitution, the KLK2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.