

KLK3

Reactivity:Human Mouse Rat

Tested applications:WB IHC

Recommended Dilution:WB 1:500 - 1:2000 IHC 1:50 - 1:100

Calculated MW:29kDa

Observed MW:Refer to Figures

Immunogen:

A synthetic peptide of human KLK3

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Concentration:

a

Synonym:

APS; KLK2A1; PSA; hK3;

Catalog #:A2052

Antibody Type:

Polyclonal Antibody

Species:Rabbit

Gene ID:354

Isotype:IgG

Swiss Prot:P07288

Purity:Affinity purification

For research use only.

Background:

Kallikrein 3 (KLK3), also known as Prostate Specific Antigen (PSA), is a member of the glandular kallikrein subfamily of serine proteases (1). It is produced by prostate epithelial cells and is secreted into prostatic ducts. Upon cleavage of 7 N-terminal amino acids (2), it is activated to liquefy semen in the seminal coagulum. Although PSA/KLK3 is produced in healthy individuals, investigators have found abnormally high levels in the blood of men with advanced prostate cancer (3,4).

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