

## 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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