Product Name: HKLK3 (C234) Mouse Monoclonal Antibody
Catalog #: AMM85938

Summary

Production Name	HKLK3 (C234) Mouse Monoclonal Antibody
Description	Mouse Monoclonal Antibody
Host	Mouse
Application	WB
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgM
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Purified antibody in PBS with 0.05% sodium azide.
Purification	Affinity Purification

Immunogen

Gene Name	HKLK3 (C234)
Alternative Names	Prostate-specific antigen, PSA, Gamma-seminoprotein, Seminin, Kallikrein-3, P-30 antigen, Semenogelase, KLK3, APS
Gene ID	354.0
SwissProt ID	P07288. This HKLK3 antibody is generated from mice immunized with a KLH conjugated synthetic peptide between 220-250 amino acids from human HKLK3.

Application

Dilution Ratio	WB:1:500-1:1600
Molecular Weight	28.7kDa

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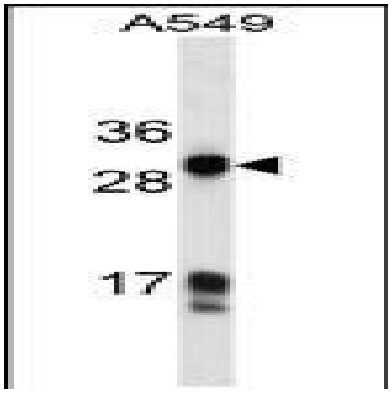
Background

Kallikreins are a subgroup of serine proteases having diverse physiological functions. Growing evidence suggests that many kallikreins are implicated in carcinogenesis and some have potential as novel cancer and other disease biomarkers. This gene is one of the fifteen kallikrein subfamily members located in a cluster on chromosome 19. Its protein product is a protease present in seminal plasma. It is thought to function normally in the liquefaction of seminal coagulum, presumably by hydrolysis of the high molecular mass seminal vesicle protein. Serum level of this protein, called PSA in the clinical setting, is useful in the diagnosis and monitoring of prostatic carcinoma. Alternate splicing of this gene generates several transcript variants encoding different isoforms.

Research Area

Image Data



HKLK3 Antibody (C234) (Cat. #AMM85938) western blot analysis in A549 cell line lysates (35µg/lane).This demonstrates the HKLK3 antibody detected the HKLK3 protein (arrow).

Note

For research use only.