Data Sheet (Cat.No.TMAY-01142)

TargetMol

Anti-Kallikrein 3/KLK3 Antibody (3Z109)

Product Details

Ig Type:	Mouse IgG1
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	3Z109
Purification:	Protein A

Applications

Verified Activity:	1. Immunochemical staining of human KLK3 in human prostate with mouse monoclonal antibody (1:60, formalin-fixed paraffin embedded sections). 2. Immunochemical staining of human KLK3 in human prostate carcinom with mouse monoclonal antibody (1:60, formalin-fixed paraffin embedded sections).
Application:	IHC-P
Recommended	IHC-P: 1:50-1:200

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Human KLK3 / Kallikrein 3 protein (TMPY-02258)
Antigen Species:	Human
Synonyms:	PSA;KLK2A1;kallikrein related peptidase 3;Hk3;APS

Research Background

KLK3 (Kallikrein Related Peptidase 3) is a Protein Coding gene. The gene is one of the fifteen kallikrein subfamily members located in a cluster on chromosome 19. It encodes a single-chain glycoprotein, a protease that is synthesized in the epithelial cells of the prostate gland and is present in seminal plasma. KLK3, also known as Prostate Specific Antigen (PSA), kallikrein-related peptidase 3, Gamma-seminoprotein, is a secreted protein of the glandular kallikrein subfamily of serine proteases. KLK3 contains one peptidase S1 domain. KLK3 is a glycoprotein produced almost exclusively by the prostate gland. Growing evidence suggests that many kallikreins are implicated in carcinogenesis and some have potential as novel cancer and other disease biomarkers.Cancer ImmunotherapyImmune CheckpointImmunotherapyTargeted Therapy

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