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#2475

PSA/KLK3 (D11E1) XP[®] Rabbit mAb

For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: W, IHC-P	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 29	Source/Isotype: Rabbit IgG	UniProt ID: #P07288	Entrez-Gene Id: 354
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Product Usage Information	Application Western Blotting Immunohistochemistry (Paraffin)	Dilution 1:1000 1:500 - 1:2000
Storage	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody. For a carrier free (BSA and azide free) version of this product see product #36476.	
Specificity/Sensitivity	PSA/KLK3 (D11E1) XP [®] Rabbit mAb recognizes endogenous levels of total PSA/KLK3 protein.	
Source / Purification	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Val72 of human PSA/KLK3 protein.	
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 amino-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 (2,3).	
Background References	<ol style="list-style-type: none"> 1. Watt, K.W. et al. (1986) <i>Proc Natl Acad Sci U S A</i> 83, 3166-70. 2. Balk, S.P. et al. (2003) <i>J Clin Oncol</i> 21, 383-91. 3. Thompson, I.M. et al. (2004) <i>N Engl J Med</i> 350, 2239-46. 	
Species Reactivity	Species reactivity is determined by testing in at least one approved application (e.g., western blot).	
Western Blot Buffer	IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween@ 20 at 4°C with gentle shaking, overnight.	
Applications Key	W: Western Blotting IHC-P: Immunohistochemistry (Paraffin)	
Cross-Reactivity Key	H: Human	
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