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Recombinant anti-Prostate Specific Antigen antibody

3 Images



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Overview

Quantity:	100 μg
Target:	Prostate Specific Antigen (PSA)
Reactivity:	Human
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This Prostate Specific Antigen antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Staining Methods (StM), Immunostaining (ISt)

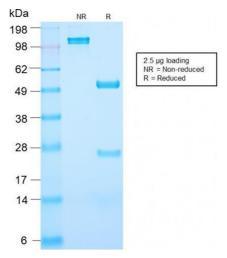
Product Details

Immunogen:	Recombinant full-length human KLK3 protein
Clone:	KLK3-2871R
Isotype:	IgG
Specificity:	Recognizes a single protein of 33-34 kDa, identified as the prostate specific antigen (PSA). This
	MAb is highly specific to PSA and stains prostatic secretory and ductal epithelium in both
	normal and neoplastic tissues. PSA is a chymotrypsin-like serine protease (kallikrein family)
	exclusively produced by the prostate epithelium, and abundant in seminal fluid. PSA can be
	detected in the sera of patients with prostatic carcinoma. It is predominantly complexed to a
	liver-derived serine protease inhibitor, alpha-1-antichymotrypsin (ACT). A higher proportion of
	serum PSA is complexed to ACT in prostate cancer than in benign prostate hyperplasia. This
	MAb makes an excellent pair with MAb A67-B/E3 for PSA tests.

Product Details Purified by Protein A/G Purification: Target Details Prostate Specific Antigen (PSA) Target: Alternative Name KLK3 (PSA Products) Molecular Weight: 33-34kDa Gene ID: 354 UniProt: P07288 Pathways: **Complement System Application Details** Positive Control: PC12 cells. Normal prostate or prostate carcinoma. Application Notes: Known Application: Immunohistochemistry (Formalin-fixed) (0.5-1.0 µg/mL for 30 minutes at RT) (Staining of formalin-fixed tissues is enhanced by boiling tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0 for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined. For Research Use only Restrictions: Handling Concentration: 200 μg/mL 10 mM PBS with 0.05 % BSA & 0.05 % azide. Buffer: Preservative: Sodium azide Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. 4 °C,-80 °C Storage: Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

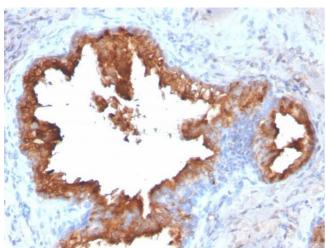
24 months

Expiry Date:



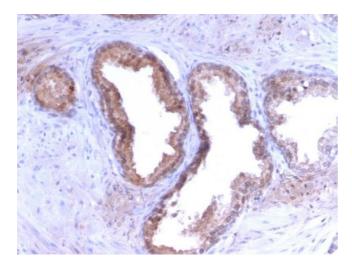
SDS-PAGE

Image1.SDS-PAGEAnalysisPurifiedPSARabbitRecombinantMonoclonalAntibody(KLK3/2871R).Confirmation of Integrity and Purity of Antibody.



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human Prostate Carcinoma stained with PSA Rabbit Recombinant Monoclonal Antibody (KLK3/2871R).



Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human Prostate Carcinoma stained with PSA Rabbit Recombinant Monoclonal Antibody (KLK3/2871R).