# Recombinant Prostate Specific Antigen (PSA) Antibody

Rabbit Monoclonal Antibody [Clone KLK3/2871R]

| Catalog No | Format | Size |
|---|---|---|
| 354-RBM8-P0 | Purified Ab with BSA and Azide at 200ug/ml | 20 ug |
| 354-RBM8-P1 | Purified Ab with BSA and Azide at 200ug/ml | 100 ug |
| 354-RBM8-P1ABX | Purified Ab WITHOUT BSA or Azide at 1.0mg/ml | 100 ug |

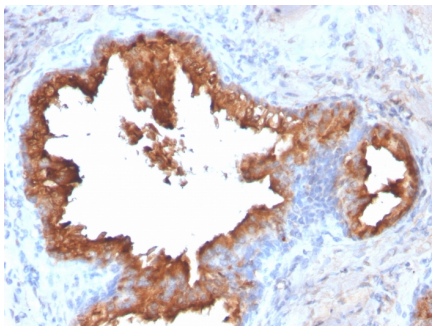
| Applications | Tested Dillution | Note |
|---|---|---|
| Immunohistochemistry (IHC) | 1-2ug/ml | 30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes |
| Western Blot (WB) | 2-4ug/ml | |

## Product Details

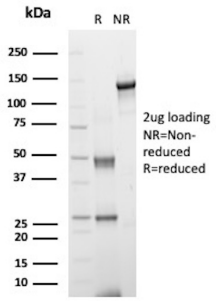
| | |
|---|---|
| **Clone** | KLK3/2871R |
| **Immunogen** | Recombinant full-length human PSA protein |
| **Host** | Rabbit |
| **Clonality** | Monoclonal |
| **Isotype / Light Chain** | IgG / Kappa |
| **Mol. Weight of Antigen** | 28.74kDa |
| **Cellular Localization** | Secreted |
| **Species Reactivity** | Human |
| **Positive Control** | PC12 cells. Normal prostate or prostate carcinoma. |

**Optimal dilution for a specific application should be determined.*

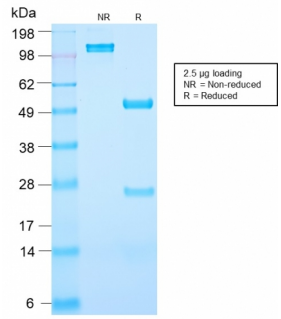
## Product Images for Recombinant Prostate Specific Antigen (PSA) Antibody



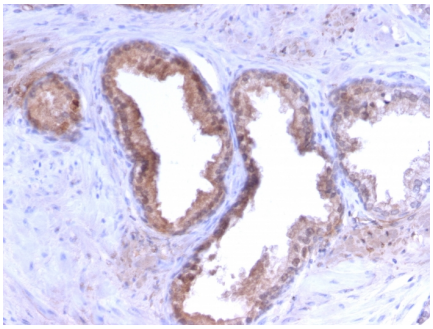
Formalin-fixed, paraffin-embedded human Prostate Carcinoma stained with PSA Rabbit Recombinant Monoclonal Antibody (KLK3/2871R).




SDS-PAGE Analysis of Purified Prostate-specific antigen Recombinant Rabbit Monoclonal Antibody (KLK3/2871R). Confirmation of Purity and Integrity of Antibody.




SDS-PAGE Analysis of Purified PSA Rabbit Recombinant Monoclonal Antibody (KLK3/2871R). Confirmation of Integrity and Purity of Antibody.



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

## Specificity & Comments

Recognizes a single protein of 33-34kDa, 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.

## Supplied As

200ug/ml of Ab produced in a mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

## Storage and Stability

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.

## Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

2 Union Square, Union City, CA 94587, Tel: 1-866-2-NEOBIO (1-866-263-6246)
orders@NeoBiotechnologies.com, www.NeoBiotechnologies.com

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