

## Product datasheet for **AP08122PU-N**

### Prostate Specific Antigen (KLK3) Rabbit Polyclonal Antibody

#### Product data:

|                       |   |
|-----------------------|---|
| Product Type:         | Primary Antibodies  |
| Applications:         | IF, IHC   |
| Recommended Dilution: | Suitable for Immunohistochemistry and Immunocytochemistry (Frozen or Formalin-Fixed Paraffin-Embedded (FFPE) tissue sections and cell smears).<br>For IHC dilute concentrated antibody at 1/50-1/100 using streptavidin-biotin system or polymer system.<br>Immunofluorescence.<br>Recommended Positive Control: Human normal or malignant prostate tissue. |
| Reactivity:           | Human   |
| Host:                 | Rabbit  |
| Isotype:              | IgG   |
| Clonality:            | Polyclonal  |
| Immunogen:            | Purified human PSA.   |
| Specificity:          | This antibody reacts with prostate ductal epithelium in both normal and malignant prostate tissue.<br>Cellular Localization: Cytoplasmic.   |
| Formulation:          | PBS, pH 7.4 containing 1% BSA as stabilizer and 0.05% Sodium Azide as preservative.<br>State: Purified<br>State: Liquid purified Ig fraction.   |
| Concentration:        | lot specific  |
| Purification:         | Protein A Chromatography.   |
| Conjugation:          | Unconjugated  |
| Storage:              | Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.<br>Avoid repeated freezing and thawing.   |
| Stability:            | Shelf life: One year from despatch.   |
| Gene Name:            | kallikrein related peptidase 3  |
| Database Link:        | <a href="#">Entrez Gene 354 Human P07288</a>  |



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**Background:**

Prostate specific antigen (PSA) is a protein produced by the cells of the prostate gland. PSA is present in small quantities in the serum of normal men, and is often elevated in the presence of prostate cancer and in other prostate disorders. A blood test to measure PSA is the most effective test currently available for the early detection of prostate cancer. Higher than normal levels of PSA are associated with both localized and metastatic prostate cancer. Prostate specific antigen (PSA), also known as is a 34 kDa glycoprotein manufactured almost exclusively by the prostate gland. Biochemically it is a serine protease enzyme (kallikrein family), the gene of which is located on the nineteenth chromosome (19q13).

**Synonyms:**

Prostate-specific antigen, Semenogelase, Gamma-seminoprotein, P-30 antigen