

## Rabbit anti-Prostate Specific Antigen (PSA) Polyclonal Antibody

Storage: 2-8°C

Catalog No: P16-030 1ml   
P16-030S 0.2ml   
P16-030U 6ml

### Intended Use and 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. Rising levels of PSA over time are associated with both localized and metastatic prostate cancer.

This antibody reacts with prostate ductal epithelium in both normal and malignant prostate tissue.

### Components:

Rabbit anti-Prostate Specific Antigen (PSA) antibody is total immunoglobulin IgG purified from rabbit. It is stored in PBS buffer pH 7.4 with 1% BSA and 0.05% sodium azide.

Host species: Rabbit  
Isotype: Total immunoglobulin IgG  
Immunogen: Purified human Prostate Specific Antigen (PSA)  
Reacts with: Human, others not tested

Catalog No.	Format	Size
P16-030	Concentrate	1 ml
P16-030s	Concentrate	0.2ml
P16-030U	Ready-to-use	6ml

**Positive Control:** Human normal or malignant prostate tissue

**Pretreatment required:** Not required

**Cellular Localization:** Cytoplasmic

**Application:** immunohistochemistry (IHC).

### Recommended Protocol:

For concentrate antibody, the working dilution for formalin-fixed paraffin-embedded human tissue section is from 1:50-200 depending on the detection system used. Prediluted antibody is used directly without dilution. The optimal dilution needs to be determined by the investigator.

Manual staining procedure:

1. Deparaffinize slides.
2. Submerge slides in peroxidase quenching solution for 10 minutes and rinse with PBS 3 times, 2 minutes each.
3. Apply serum blocking solution (optional if use polymer detection system)
4. Apply primary antibody and incubate for 30-60 minutes at room temperature and rinse with PBS 3 times, 2 minutes each.
5. Apply secondary antibody conjugate and incubate according to the data sheet of detection system. Rinse with PBS 3 times, 2 minutes each.
6. Apply enzyme conjugate and incubate according to the data sheet of detection system. Rinse with PBS 3 times, 2 minutes each.
7. Apply chromogen and incubate 5-10 minutes and rinse with PBS.

### Precaution:

Wear gloves and take other necessary laboratory safety procedure.

**Storage:** Store at 2-8°C.

**Remarks:** For research use only. Not for diagnostic or therapeutic use.