

## Anti-PRSS8 Polyclonal Antibody

## Product Details

|                   |   |
|-------------------|---|
| Ig Type:          | IgG                                     |
| Reactivity:       | Mouse,Rat(predicted:Human,Dog,Pig,Cow)  |
| Molecular Weight: | Theoretical: 30/33 kDa. Actual: 40 kDa. |
| Purification:     | Protein A purified                      |

## Applications

|  |   |
|--|---|
| Verified Activity:   | 1. Tissue/cell: human lung carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01 M, pH 6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-PRSS8 Polyclonal Antibody, Unconjugated (TMAB-11839) 1: 200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining     |
|  | 2. Tissue/cell: human prostate carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01 M, pH 6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-PRSS8 Polyclonal Antibody, Unconjugated (TMAB-11839) 1: 200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining |
|  | 3. Sample:  |
|  | Lane 1: Muscle (Mouse) Lysate at 40 µg  |
|  | Lane 2: Muscle (Rat) Lysate at 40 µg  |
|  | Primary: Anti-PRSS8 (TMAB-11839) at 1/1000 dilution   |
|  | Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  |
|  | Predicted band size: 37-40 kD   |
|  | Observed band size: 40 kD   |
|  | 4. Sample: Kidney (Mouse) Lysate at 40 µg   |
| Primary: Anti-PRSS8 (TMAB-11839) at 1/1000 dilution            |   |
| Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution |   |
| Predicted band size: 30/33 kD                                  |   |
| Observed band size: 40/43 kD                                   |   |
| Application:   | WB  |
| Recommended  | WB=1:500-2000   |

## Properties

|                      |   |
|----------------------|---|
| Stability & Storage: | Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. |
| Shipping:            | Shipping with blue ice.   |

### Antigen Details

Immunogen: KLH conjugated synthetic peptide: human PRSS8  
Antigen Species: Human  
Gene ID: 5652  
Uniprot ID: Q16651

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### Research Background

PRSS8 is a member of the trypsin family of serine proteases. It can be found in seminal fluid and is highly expressed in prostate epithelia. The proprotein is cleaved to produce a light chain and a heavy chain which are associated by a disulfide bond. The carboxyterminal region contains a GPI anchor sequence, which anchors prostaticin to the cell surface. Phospholipase activity is thought to liberate prostaticin from the cell, and cleavage of the linker region also releases prostaticin. PRSS8 has been proposed as a marker for ovarian cancer, where it is up-regulated, a marker for androgen-refractory prostate cancer, where it is down-regulated, and as an inhibitor of invasiveness in breast cancer.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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