

## Rabbit anti-Mouse Prostatic/PRSS8 Polyclonal Antibody | anti-PRSS8 antibody

Anti-Prostatic/PRSS8 Antibody, Rabbit Polyclonal

|                               |                       |                            |                                                                  |
|-------------------------------|-----------------------|----------------------------|------------------------------------------------------------------|
| CATALOG #<br><b>AAA257089</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Mouse</b> | APPLICATIONS<br><b>Immunohistochemistry, ELISA, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------|------------------------------------------------------------------|

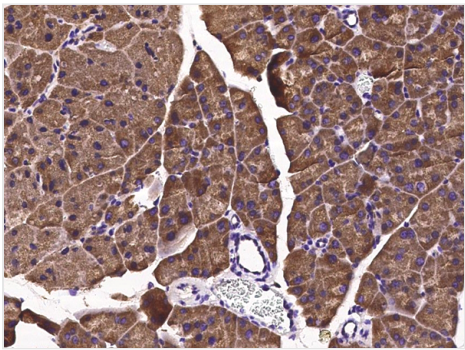
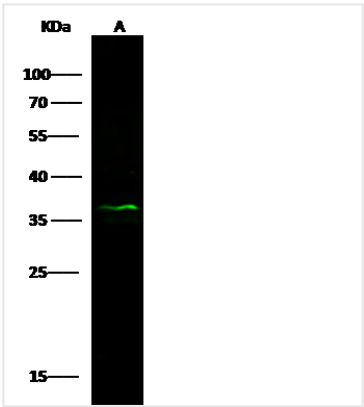
### PRODUCT SYNONYMS

Prostatic/PRSS8; Polyclonal Antibody; Anti-Prostatic/PRSS8 Antibody; Rabbit Polyclonal; Prostatic/PRSS8 Antibody; Rabbit PAb; Antigen Affinity Purified; protease; serine; 8; Anti-2410039E18Rik Antibody; Anti-A1313909 Antibody; Anti-C79772 Antibody; Anti-CAP1 Antibody; Anti-fr Antibody; Anti-mCAP1 Antibody; anti-PRSS8 antibody

### PRODUCT SPECIFICATIONS

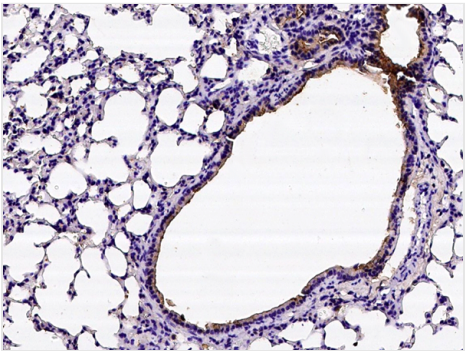
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|--------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Host</b>                                            | Rabbit                                                                                                                                                                                                                                                                |
| <b>Reactivity</b>                                      | Mouse                                                                                                                                                                                                                                                                 |
| <b>Clonality</b>                                       | Polyclonal                                                                                                                                                                                                                                                            |
| <b>Isotype</b>                                         | Rabbit IgG                                                                                                                                                                                                                                                            |
| <b>Specificity</b>                                     | Mouse Prostatic/PRSS8                                                                                                                                                                                                                                                 |
| <b>Purity/Purification</b>                             | Protein A & Antigen Affinity                                                                                                                                                                                                                                          |
| <b>Form/Format</b>                                     | Liquid; 0.2um filtered solution in PBS                                                                                                                                                                                                                                |
| <b>Applicable Applications for anti-PRSS8 antibody</b> | IHC (Immunohistochemistry), ELISA, WB (Western Blot)                                                                                                                                                                                                                  |
| <b>Immunogen</b>                                       | Recombinant Mouse Prostatic/PRSS8 protein                                                                                                                                                                                                                             |
| <b>Conjugation</b>                                     | Unconjugated                                                                                                                                                                                                                                                          |
| <b>Preparation</b>                                     | Produced in rabbits immunized with purified, recombinant Mouse Prostatic/PRSS8. Prostatic/PRSS8 specific IgG was purified by Mouse Prostatic/PRSS8 affinity chromatography.                                                                                           |
| <b>Preparation and Storage</b>                         | This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles. |

IMAGES



**IHC (Immunohistochemistry)**  
Immunochemical staining of mouse PRSS8 in mouse pancreas with rabbit polyclonal antibody (1:10000, formalin-fixed paraffin embedded sections).

**WB (Western Blot)**  
Anti-PRSS8 rabbit polyclonal antibody at 1:500 dilutionLane A: RAW264.7 Whole Cell LysateLysates/proteins at 30 ug per lane.SecondaryGoat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution.Developed using the Odyssey technique.Performed under reducing conditions.Predicted band size:37 kDaObserved band size:37 kDa



**IHC (Immunohistochemistry)**  
Immunochemical staining of mouse PRSS8 in mouse lung with rabbit polyclonal antibody (1:10000, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-PRSS8 antibody | Prostasin (Prss8), also known as channel activating protease 1 (CAP1), is a trypsinlike serine peptidase, and plays important roles in epithelial physiology. It is originally purified as an active, soluble enzyme from human seminal fluid and is highly expressed in prostate, lung, kidney, salivary gland and pancreas. Prostasin is expressed as a glycosyl-phosphatidylinositol (GPI)-anchored membrane protein in prostate epithelial cells, and also exists as a secreted proteolytic enzyme possibly via tryptic cleavage of its COOH-terminal hydrophobic domain. Prostasin is found to activate the epithelial sodium channel (ENaC) which is tightly regulated and is critical for maintaining salt and fluid balance in the lung and kidney in both normal and pathological conditions. Accordingly, prostasin has been proposed as a target for therapeutic inhibition in cystic fibrosis. Besides, prostasin inhibits prostate and breast cancer cell invasion in vitro, suggesting a functional role as a suppressor of tumor invasion, as well as a regulator of gene expression during inflammation. |
| Product Categories/Family for anti-PRSS8 antibody   | <a href="#">Serine Proteases and Regulators</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| References                                          | Yu J.X., et al., (1995), Molecular cloning, tissue-specific expression, and cellular localization of human prostasin mRNA. J. Biol. Chem. 270:13483-13489.Ota T., et al., (2004), Complete sequencing and characterization of 21, 243 full-length human cDNAs.Nat. Genet. 36:40-45.Martin J., et al., (2004), The sequence and analysis of duplication-rich human chromosome 16.Nature 432:988-994.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

NCBI AND UNIPROT INFORMATION

|             |                           |
|-------------|---------------------------|
| NCBI GI #   | <a href="#">148685661</a> |
| NCBI GeneID | <a href="#">76560</a>     |

|                                  |                                                         |
|----------------------------------|---------------------------------------------------------|
| Molecular Weight                 | 36,729 Da                                               |
| NCBI Official Full Name          | protease, serine, 8 (prostasin), isoform CRA_b, partial |
| NCBI Official Synonym Full Names | protease, serine 8 (prostasin)                          |
| NCBI Official Symbol             | Prss8                                                   |
| NCBI Official Synonym Symbols    | fr; CAP1; mCAP1; C79772; AI313909; 2410039E18Rik        |
| NCBI Protein Information         | prostasin                                               |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/prostasin-prss8-antibody-immunohistochemistry-western-blot-elisa/257089>