

# Anti-Cystatin 11 Antibody

Catalog # AP61209

## Product Information

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|                   |                        |
|-------------------|------------------------|
| Application       | WB, IF/IC              |
| Primary Accession | <a href="#">Q9H112</a> |
| Reactivity        | Human, Mouse, Rat      |
| Host              | Rabbit                 |
| Clonality         | Polyclonal             |
| Calculated MW     | 16506                  |

## Additional Information

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|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Gene ID            | 140880                                                                                                                                     |
| Other Names        | CST8L; Cystatin-11                                                                                                                         |
| Target/Specificity | KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human Cystatin 11. The exact sequence is proprietary. |
| Dilution           | WB~~WB (1/500 - 1/1000) IF/IC~~N/A                                                                                                         |
| Format             | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.                                  |
| Storage            | Store at -20 °C.Stable for 12 months from date of receipt                                                                                  |

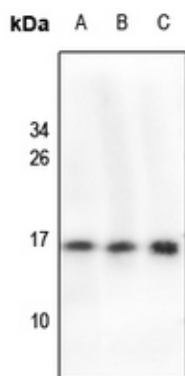
## Protein Information

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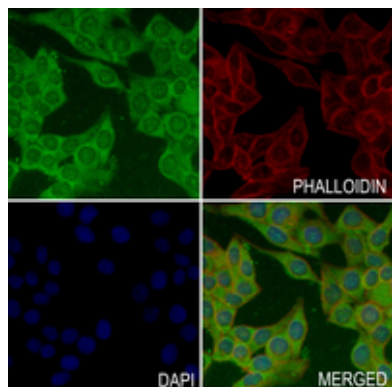
|                   |                                                                                                                                                                                      |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name              | CST11                                                                                                                                                                                |
| Synonyms          | CST8L                                                                                                                                                                                |
| Function          | Has antibacterial activity against the Gram-negative bacteria E.coli. May play a role in sperm maturation and fertilization.                                                         |
| Cellular Location | Secreted. Note=Probably secreted into the epididymis lumen, where it localizes to the outer surface of sperm. Specifically localizes to the postacrosomal and tail regions of sperm. |
| Tissue Location   | Detected in the epithelium and lumen of the epididymis, and in sperm (at protein level)                                                                                              |

## Images

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Western blot analysis of Cystatin 11 expression in rat heart (A), mouse kidney (B), rat kidney (C) whole cell lysates. (Predicted band size: 16 kD; Observed band size: 16 kD)



Immunofluorescent analysis of Cystatin 11 staining in MCF7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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