# Prostasin (m): 293T Lysate: sc-127388



The Power to Question

## **BACKGROUND**

Prostasin, a serine protease first identified in prostate tissue, activates epithelial sodium channels in a variety of tissues. Though typically a membrane-anchored protein, free prostasin is also found in physiologic fluids and tissue culture media, indicating a mechanism for secretion from the cells as well. Aprotinin and other protease inhibitors suppress the channel-activating capacity of prostasin, while aldosterone increases prostasin expression and stimulates sodium uptake. In addition, DNA methylation negatively correlates with prostasin expression in cancer cells, while enforced reexpression decreases invasiveness as well as metastatic potential, implying that prostasin activity reflects epithelial cell physiology.

#### **REFERENCES**

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#### **CHROMOSOMAL LOCATION**

Genetic locus: Prss8 (mouse) mapping to 7 F3.

## **PRODUCT**

Prostasin (m): 293T Lysate represents a lysate of mouse Prostasin transfected 293T cells and is provided as 100  $\mu g$  protein in 200  $\mu l$  SDS-PAGE buffer.

## **APPLICATIONS**

Prostasin (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive Prostasin antibodies. Recommended use: 10-20  $\mu$ l per lane.

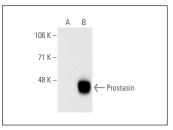
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

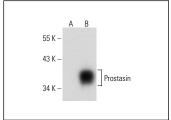
Prostasin (2): sc-136272 is recommended as a positive control antibody for Western Blot analysis of enhanced mouse Prostasin expression in Prostasin transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

## **STORAGE**

Store at -20° C. Repeated freezing and thawing should be minimized. Sample vial should be boiled once prior to use. Non-hazardous. No MSDS required.

## DATA





Prostasin (2): sc-136272. Western blot analysis of Prostasin expression in non-transfected: sc-117752 (A) and mouse Prostasin transfected: sc-127388 (B) 293T whole cell lysates.

Prostasin (2): sc-136272. Western blot analysis of Prostasin expression in non-transfected: sc-117752 (A) and mouse Prostasin transfected: sc-127388 (B) 293T whole cell Ivsates.

#### **RESEARCH USE**

For research use only, not for use in diagnostic procedures.

#### **PROTOCOLS**

See our web site at www.scbt.com for detailed protocols and support products.

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