



## PRODUCT DATA SHEET

Bioworld Technology, Inc.

### RNASE7 polyclonal antibody

Catalog: BS35569

Host: Rabbit

Reactivity: Human

#### BackGround:

Ribonuclease 7: Exhibits a potent RNase activity . Has broad-spectrum antimicrobial activity against many pathogenic microorganisms including uropathogenic E.coli (UPEC), and remarkably potent activity (lethal dose of  $90\% < 30 \text{ nM}$ ) against a vancomycin resistant Enterococcus faecium . Causes loss of bacterial membrane integrity . Probably contributes to urinary tract sterility . Bactericidal activity is independent of RNase activity

#### Product:

1mg/ml in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

#### Molecular Weight:

~17.4 kDa

#### Swiss-Prot:

Q9H1E1

#### Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

#### Applications:

WB (1/500 - 1/1000), IHC (1/50 - 1/200)

#### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

#### Specificity:

Recognizes endogenous levels of RNASE7 protein

#### DATA:

Western blot analysis of Acrosin expression in HepG2 (A), HEK293T (B), MCF7 (C), LO2 (D) whole cell lysates.

Immunohistochemical analysis of Acrosin staining in human colorectal cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Immunofluorescent analysis of Acrosin staining in SGC7901 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).

#### Note:

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

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