

## CST3

**Reactivity:**Human

**Tested applications:**WB IHC IF

**Recommended Dilution:**WB 1:500 - 1:2000 IHC 1:50 - 1:100 IF 1:10 - 1:100

**Calculated MW:**16kDa

**Observed MW:**Refer to Figures

**Immunogen:**

Recombinant protein of human CST3

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

ARMD11; MGC117328;CST3;

**Catalog #:**A1561

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**1471

**Isotype:**IgG

**Swiss Prot:**P01034

**Purity:**Affinity purification

For research use only.

**Background:**

Cystatin C is a 14 kDa member of the Cystatin superfamily of cysteine protease inhibitors (1). Most cell types secrete Cystatin C (1). Cystatin C inhibits cathepsins, and thereby may function as a tumor suppressor by inhibiting cathepsin mediated tumor cell invasion (2). In addition, this tumor suppressor function can also be attributed to Cystatin C's ability to antagonize TGF-1 signaling (2,3). Cystatin C may also modulate antigen presentation through its ability to inhibit cathepsins (4). Cystatin C is also a biomarker for kidney dysfunction (5).

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