

For Research Use Only

Cystatin SN/CST1 Recombinant antibody

Catalog Number: 85403-1-RR



Basic Information

Catalog Number:

85403-1-RR

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG8862

GenBank Accession Number:

BC021225

GeneID (NCBI):

1469

UNIPROT ID:

P01037

Full Name:

cystatin SN

Calculated MW:

141 aa, 16 kDa

Observed MW:

14-16 kDa

Purification Method:

Protein A purification

CloneNo.:

242888B3

Recommended Dilutions:

WB 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : MDA-MB-231 cells,

Background Information

CST1, or cystatin SN, is a gene in humans that encodes a secreted protein belonging to the type 2 cystatin superfamily, which includes CST1, CST2, CST3, CST4, and CST5. These proteins are cysteine proteinase inhibitors found in various human fluids and secretions, where they appear to provide protective functions. CST1 is specifically found in saliva, tears, urine, and seminal fluid, and it plays a role in inhibiting the activity of cysteine proteases. CST1 has been implicated in various pathological processes, including tumor invasion and metastasis. Overexpression of CST1 has been observed in several types of cancer, such as lung, breast, colorectal, and gastric cancer, suggesting its role in the proliferation, invasion, and metastasis of these tumors.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

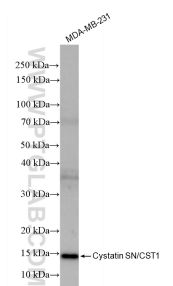
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



MDA-MB-231 cells were subjected to SDS PAGE followed by western blot with 85403-1-RR (CST1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.