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# Cystatin E/CST6 Monoclonal Antibody

catalog number: AN200026P

Note: Centrifuge before opening to ensure complete recovery of vial contents.

#### **Description**

Reactivity Human

Immunogen Recombinant Human Cystatin E / CST6 protein

 Host
 Mouse

 Isotype
 IgG1

 Clone
 A870

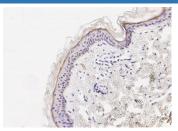
 Purification
 Protein A

Buffer 0.2 µm filtered solution in PBS

Applications Recommended Dilution

**IHC-P** 1:50-1:200

#### Data



Immunohistochemistry of paraffin-embedded human skin using Cystatin E / CST6 Monoclonal Antibody at dilution of

1:60.

## Preparation & Storage

Storage This antibody can be stored at 2°C-8°C for one month without detectable loss of

activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.

Shipping Ice bag

### **Background**

Cystatin E/M, also referred to as CST6, is a member of type 2 cysteine proteinase inhibitors of the cystatin superfamil y, and inhibits papain and cathepsin B. Cystatin E is a low molecular mass secreted protein existing in both a glycosylated (17 kDa) and an unglycosylated (14 kDa) form, with two characteristic intrachain disulfide bridges. Expression of cystatin WE is found to be restricted to the epidermis, more specifically in the stratum granulosum, sweat glands, sebaceous glands, and the hair follicles. In addition to its function as a cysteine protease inhibitor, cystatin WE also serves as a target for cross-linking by transglutaminases. Accordingly, cystatin WE was suggested to be involved in barrier formation and maintenance. Furthermore, studies have revealed that cystatin WE is frequently epigenetically inactivated during breast carcinogenesis, and thus be regarded as a candidate of tumour suppressor gene.

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