

CST8 polyclonal antibody

Catalog: BS6266

Host: Rabbit

Reactivity: Human, Mouse

BackGround:

The cystatin superfamily is a well-established family of cysteine protease inhibitors. All true cystatins inhibit cysteine peptidases of the papain family, such as cathepsins, while some also inhibit legumain family enzymes. The CRES (cystatin-related epididymal spermatogenic) protein defines a new subgroup in the family 2 cystatins of the cystatin superfamily. CRES proteins lack two of the three consensus sites necessary for the cystatin inhibition of C1 cysteine proteases. They are also preferentially expressed in postmeiotic germ cells, the proximal caput epididymidis, and anterior pituitary gonadotrophs. Therefore, CRES proteins may perform unique and tissue-specific functions in the reproductive and neuroendocrine systems. As a member of the CRES subfamily, Cystatin 8 is a 142 amino acid protein that is expressed in the proximal caput region of the epididymis, where it performs a specialized role during sperm development and maturation.

Product:

1mg/ml in PBS with 0.1% Sodium Azide, 50% Glycerol.

Molecular Weight:

~ 16 kDa

Swiss-Prot:

O60676

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:2000

IF: 1:50~1:200

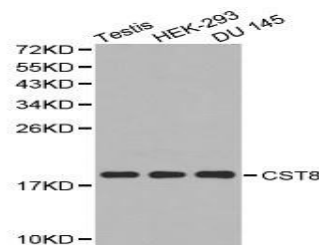
Storage&Stability:

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

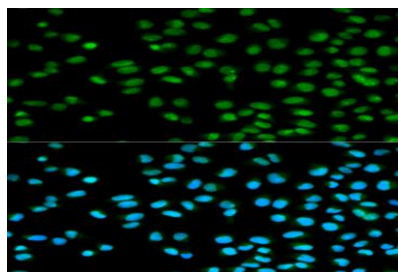
Specificity:

CST8 polyclonal antibody detects endogenous levels of CST8 protein.

DATA:



WesternBlot (WB) analysis of CST8 polyclonal antibody in extracts from mouse testis tissue and HEK-293, DU 145 cells.



Immunofluorescence analysis of HeLa cells, using CST8 polyclonal antibody

Note:

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

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