

Product datasheet for **AP21268PU-N**

CST8 (23-34) Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	Peptide ELISA: Detection Limit: 1/64000. Western blot: 0.1-0.3 µg/ml. In transfected HEK293 transiently expressing Human CST8 (myc and DYKDDDDK tagged), a band of approx. 23kDa is observed. No bands are observed in mock-transfected HEK293 and the same band is observed using anti-myc tag antibody.
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Peptide with sequence from the internal region of the protein sequence according to NP_005483.1.
Specificity:	This antibody recognizes Cystatin 8 (aa 23-34)
Formulation:	Tris saline, pH 7.3 containing 0.02% Sodium Azide as preservative and 0.5% BSA as stabilizer. State: Aff - Purified State: Liquid purified IgG fraction.
Concentration:	lot specific
Purification:	Ammonium Sulphate Precipitation followed by Antigen Affinity Chromatography using the immunizing peptide.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	cystatin 8
Database Link:	Entrez Gene 10047 Human O60676



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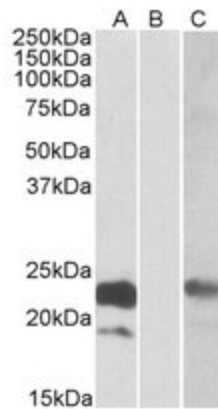
Background:

The cystatin superfamily encompasses proteins that contain multiple cystatin-like sequences. Some of the members are active cysteine protease inhibitors, while others have lost or perhaps never acquired this inhibitory activity. There are three inhibitory families in the superfamily, including the type 1 cystatins (stefins), type 2 cystatins and the kininogens. The type 2 cystatin proteins are a class of cysteine proteinase inhibitors found in a variety of human fluids and secretions. The cystatin locus on chromosome 20 contains the majority of the type 2 cystatin genes and pseudogenes. This gene is located in the cystatin locus and encodes a protein similar to type 2 cystatins.

CST8 performs a specialized role during sperm development and maturation.

Synonyms:

CST8, CRES

Product images:

HEK293 lysate (10 ug protein in RIPA buffer) overexpressing Human CST8 with C-terminal MYC tag probed with (1 ug/ml) in Lane A and probed with anti-MYC Tag (1/1000) in Lane C. Mock-transfected HEK294 probed with -N (1 mg/ml) in Lane B. Primary incubations were for 1 hour. Detected by chemiluminescence