

Cathepsin K Blocking Peptide
Catalog # PBV10247b**Specification**

Cathepsin K Blocking Peptide - Product Information

Primary Accession	O35186
Other Accession	NP_113748
Gene ID	29175
Calculated MW	36791

Cathepsin K Blocking Peptide - Additional Information**Gene ID** 29175**Application & Usage**

The peptide is used for blocking the antibody activity of cathepsin K. It usually blocks the antibody activity completely in Western blot analysis by incubating the peptide with equal volume of antibody for 1 hour at 37°C.

Other Names

Cathepsin K, 3.4.22.38, Ctsk

Target/Specificity

Cathepsin K

Formulation

50 µg (0.2 mg/ml) in phosphate buffered saline (PBS), pH 7.2, containing 0.1% BSA and 0.02% thimerosal.

Reconstitution & Storage

-20 °C

Background Descriptions**Precautions**

Cathepsin K Blocking Peptide is for research use only and not for use in diagnostic or therapeutic procedures.

Cathepsin K Blocking Peptide - Protein Information**Name** Ctsk**Function**

Thiol protease involved in osteoclastic bone resorption and may participate partially in the disorder of bone remodeling. Displays potent endoprotease activity against fibrinogen at acid pH. May play an important role in extracellular matrix degradation. Involved in the release of thyroid

hormone thyroxine (T4) by limited proteolysis of TG/thyroglobulin in the thyroid follicle lumen.

Cellular Location

Lysosome {ECO:0000250|UniProtKB:P43235}. Secreted {ECO:0000250|UniProtKB:P43235}. Apical cell membrane {ECO:0000250|UniProtKB:P43235}; Peripheral membrane protein {ECO:0000250|UniProtKB:P43235}; Extracellular side {ECO:0000250|UniProtKB:P43235}.

Note=Localizes to the lumen of thyroid follicles and to the apical membrane of thyroid epithelial cells {ECO:0000250|UniProtKB:P43235}

Cathepsin K Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Cathepsin K Blocking Peptide - Images