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Cathepsin K Blocking Peptide
Catalog # PBV10155b

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 Cytomety
- Cell Culture

Cathepsin K Blocking Peptide - Images