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CTSO Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP12765a

Specification

CTSO Antibody (N-term) Blocking peptide - Product Information

Primary Accession P43234

CTSO Antibody (N-term) Blocking peptide - Additional Information

Gene ID 1519

Other Names
Cathepsin O, CTSO, CTSO1

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

CTSO Antibody (N-term) Blocking peptide - Protein Information

Name CTSO

Synonyms CTSO1

Function
Proteolytic enzyme possibly involved in normal cellular protein degradation and turnover.

Cellular Location
Lysosome.

Tissue Location
Expressed in all tissues examined. High levels seen in the ovary, kidney and placenta while low levels seen in thymus and skeletal muscle

CTSO Antibody (N-term) Blocking peptide - Protocols

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

- Blocking Peptides

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CTSO Antibody (N-term) Blocking peptide - Images

CTSO Antibody (N-term) Blocking peptide - Background

The protein encoded by the gene is a cysteine proteinaseand a member of the papain superfamily. This proteolytic enzyme isinvolved in cellular protein degradation and turnover. Therecombinant form of this enzyme was shown to degrade syntheticpeptides typically used as substrates for cysteine proteinases andits proteolytic activity was abolished by an inhibitor of cyteineproteinase.

CTSO Antibody (N-term) Blocking peptide - References

Roeske, D., et al. Mol. Psychiatry (2009) In press :Lamesch, P., et al. Genomics 89(3):307-315(2007)Santamaria, I., et al. Genomics 53(2):231-234(1998)Shi, G.P., et al. FEBS Lett. 357(2):129-134(1995)Velasco, G., et al. J. Biol. Chem. 269(43):27136-27142(1994)