

CTSA Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP10476a**Specification**

CTSA Antibody (N-term) Blocking Peptide - Product Information

Primary Accession [P10619](#)
Other Accession [NP_001161066.1](#), [NP_000299.2](#),
[NP_001121167.1](#)

CTSA Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 5476

Other Names

Lysosomal protective protein, Carboxypeptidase C, Carboxypeptidase L, Cathepsin A, Protective protein cathepsin A, PPCA, Protective protein for beta-galactosidase, Lysosomal protective protein 32 kDa chain, Lysosomal protective protein 20 kDa chain, CTSA, PPGB

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.

CTSA Antibody (N-term) Blocking Peptide - Protein Information

Name CTSA

Synonyms PPGB

Function

Protective protein appears to be essential for both the activity of beta-galactosidase and neuraminidase, it associates with these enzymes and exerts a protective function necessary for their stability and activity. This protein is also a carboxypeptidase and can deaminate tachykinins.

Cellular Location

Lysosome.

CTSA Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

CTSA Antibody (N-term) Blocking Peptide - Images

CTSA Antibody (N-term) Blocking Peptide - Background

CTSA encodes a glycoprotein which associates with lysosomal enzymes beta-galactosidase and neuraminidase to form a complex of high molecular weight multimers. The formation of this complex provides a protective role for stability and activity. Deficiencies in this gene are linked to multiple forms of galactosialidosis.

CTSA Antibody (N-term) Blocking Peptide - References

Reich, M., et al. Immunol. Lett. 128(2):143-147(2010) Bonten, E.J., et al. J. Biol. Chem. 284(41):28430-28441(2009) Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007) :Tatano, Y., et al. J. Med. Invest. 53 (1-2), 103-112 (2006) :Lewandrowski, U., et al. Mol. Cell Proteomics 5(2):226-233(2006)