

CSTB Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP14355c**Specification**

CSTB Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [P04080](#)**CSTB Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 1476**Other Names**

Cystatin-B, CPI-B, Liver thiol proteinase inhibitor, Stefin-B, CSTB, CST6, STFB

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.

CSTB Antibody (Center) Blocking Peptide - Protein Information**Name** CSTB**Synonyms** CST6, STFB**Function**

This is an intracellular thiol proteinase inhibitor. Tightly binding reversible inhibitor of cathepsins L, H and B.

Cellular Location

Cytoplasm. Nucleus

CSTB Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

CSTB Antibody (Center) Blocking Peptide - Images**CSTB Antibody (Center) Blocking Peptide - 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 kininogens. This gene encodes stefin that functions as an intracellular thiol protease inhibitor. The protein is able to form a dimer stabilized by noncovalent forces, inhibiting papain and cathepsins L, H and B. The protein is thought to play a role in protecting against the proteases leaking from lysosomes. Evidence indicates that mutations in this gene are responsible for the primary defects in patients with progressive myoclonic epilepsy (EPM1).

CSTB Antibody (Center) Blocking Peptide - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)
Ceru, S., et al. J. Biol. Chem. 285(13):10078-10086(2010)
Skerget, K., et al. J. Biol. Chem. 285(5):3201-3210(2010)
Ceru, S., et al. Biol. Cell 102(6):319-334(2010)
Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)