

CTDP1 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP6634b**Specification**

CTDP1 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q9Y5B0](#)**CTDP1 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 9150**Other Names**

RNA polymerase II subunit A C-terminal domain phosphatase, TFIIF-associating CTD phosphatase, CTDP1, FCP1

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP6634b](/products/AP6634b) was selected from the C-term region of human CTDP1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

CTDP1 Antibody (C-term) Blocking Peptide - Protein Information**Name** CTDP1**Synonyms** FCP1**Function**

Processively dephosphorylates 'Ser-2' and 'Ser-5' of the heptad repeats YSPTSPS in the C-terminal domain of the largest RNA polymerase II subunit. This promotes the activity of RNA polymerase II. Plays a role in the exit from mitosis by dephosphorylating crucial mitotic substrates (USP44, CDC20 and WEE1) that are required for M- phase-promoting factor (MPF)/CDK1 inactivation.

Cellular Location

Nucleus. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasm, cytoskeleton, spindle pole. Midbody Note=Found at centrosomes in prometaphase, at spindle and spindle poles in metaphase and at spindle midzone and midbody in anaphase and telophase-G1

respectively

Tissue Location

Ubiquitously expressed.

CTDP1 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

CTDP1 Antibody (C-term) Blocking Peptide - Images**CTDP1 Antibody (C-term) Blocking Peptide - Background**

CTDP1 is a protein which interacts with the carboxy-terminus of transcription initiation factor TFIIF, a transcription factor which regulates elongation as well as initiation by RNA polymerase II. The protein may also represent a component of an RNA polymerase II holoenzyme complex.

CTDP1 Antibody (C-term) Blocking Peptide - References

Hirose,Y., Biochem. Biophys. Res. Commun. 369 (2), 449-455 (2008)Abbott,K.L., Biochemistry 44 (8), 2716-2731 (2005)