

**C1orf77 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP9658a****Specification**

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**C1orf77 Antibody (N-term) Blocking Peptide - Product Information**Primary Accession [Q9Y3Y2](#)**C1orf77 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 26097**Other Names**

Chromatin target of PRMT1 protein, Friend of PRMT1 protein, Small arginine- and glycine-rich protein, SRAG, CHTOP, C1orf77, FOP

**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.

**C1orf77 Antibody (N-term) Blocking Peptide - Protein Information****Name** CHTOP**Synonyms** C1orf77, FOP**Function**

Plays an important role in the ligand-dependent activation of estrogen receptor target genes (PubMed:<a href="http://www.uniprot.org/citations/19858291" target="\_blank">19858291</a>). May play a role in the silencing of fetal globin genes (PubMed:<a href="http://www.uniprot.org/citations/20688955" target="\_blank">20688955</a>). Recruits the 5FMC complex to ZNF148, leading to desumoylation of ZNF148 and subsequent transactivation of ZNF148 target genes (By similarity). Plays an important role in the tumorigenicity of glioblastoma cells. Binds to 5-hydroxymethylcytosine (5hmC) and associates with the methylosome complex containing PRMT1, PRMT5, MEP50 and ERH. The CHTOP- methylosome complex associated with 5hmC is recruited to selective sites on the chromosome, where it methylates H4R3 and activates the transcription of genes involved in glioblastomagenesis (PubMed:<a href="http://www.uniprot.org/citations/25284789" target="\_blank">25284789</a>).

**Cellular Location**

Nucleus. Nucleus, nucleolus. Nucleus, nucleoplasm. Nucleus speckle. Note=Mostly associated with facultative heterochromatin (By similarity). Localizes to regions surrounding nuclear speckles

known as perispeckles in which TREX complex assembly seems to occur (PubMed:23826332)  
{ECO:0000250|UniProtKB:Q9CY57, ECO:0000269|PubMed:23826332}

**Tissue Location**

Expressed in an erythroid progenitor cell line derived from peripheral blood. Expressed in glioblastoma cells (PubMed:25284789).

**C1orf77 Antibody (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**C1orf77 Antibody (N-term) Blocking Peptide - Images****C1orf77 Antibody (N-term) Blocking Peptide - References**

van Dijk, T.B., et al. Mol. Cell. Biol. 30(1):260-272(2010)Zullo, A.J., et al. J. Biol. Chem. 284(18):12504-12511(2009)Olsen, J.V., et al. Cell 127(3):635-648(2006)