

**C1orf77 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP55780****Specification**

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**C1orf77 Polyclonal Antibody - Product Information**

Application	IHC-P, IHC-F, IF, ICC
Primary Accession	<a href="#">O9Y3Y2</a>
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	26397

**C1orf77 Polyclonal Antibody - 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**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

**Storage**

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

**C1orf77 Polyclonal Antibody - 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 Polyclonal Antibody - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**C1orf77 Polyclonal Antibody - Images**