

C1orf77 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP55780

Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q9Y3Y2
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	26397

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
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
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.

Protein Information

Name	CHTOP
Synonyms	C1orf77, FOP
Function	Plays an important role in the ligand-dependent activation of estrogen receptor target genes (PubMed: 19858291). May play a role in the silencing of fetal globin genes (PubMed: 20688955). 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: 25284789).
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).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.