

Rabbit anti-Human, Mouse CHTOP Polyclonal Antibody | anti-CHTOP antibody

CHTOP Antibody

CATALOG # AAA231355	HOST Rabbit	REACTIVITY Human, Mouse	APPLICATIONS Immunohistochemistry, Western Blot, ELISA
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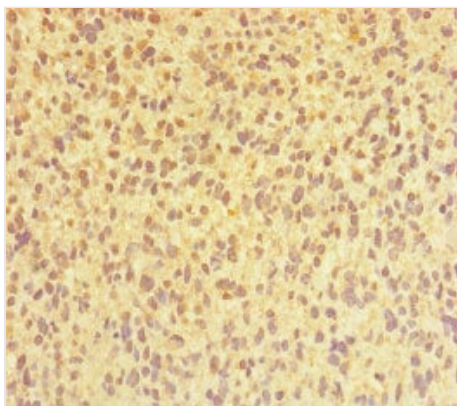
PRODUCT SYNONYMS

CHTOP; Polyclonal Antibody; CHTOP Antibody; Chromatin target of PRMT1 protein Chromatin target of PRMT1 protein (Friend of PRMT1 protein) (Small arginine and glycine-rich protein) (SRAG); C1orf77 FOP; anti-CHTOP antibody

PRODUCT SPECIFICATIONS

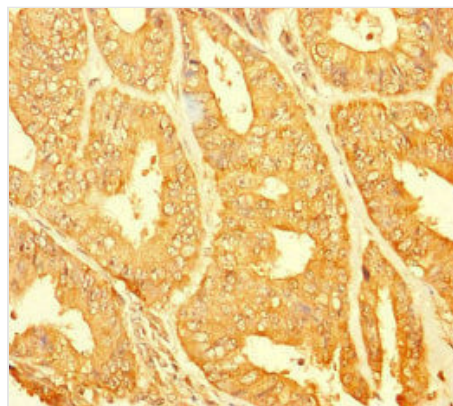
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Applicable Applications for anti-CHTOP antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant Human Chromatin target of PRMT1 protein (179-248AA)
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Immunogen Species	Homo sapiens (Human)
Research Area	Others
Target Names	CHTOP
Preparation and Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

IMAGES



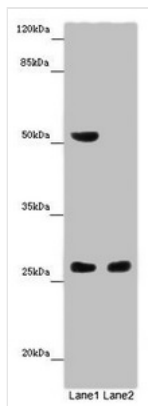
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human glioma cancer using AAA231355 at dilution of 1:100



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human endometrial cancer using AAA231355 at dilution of 1:100



WB (Western Blot)

Western blotAll lanes: CHTOP antibody at 14 ug/mlLane 1: Mouse heart tissueLane 2: Mouse kidney tissueSecondaryGoat polyclonal to rabbit IgG at 1/10000 dilutionPredicted band size: 27,22 kDaObserved band size: 27,52 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-CHTOP antibody

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).

NCBI AND UNIPROT INFORMATION

NCBI GI #	331028739
NCBI GeneID	26097
NCBI Accession #	NP_001193541.1
NCBI GenBank Nucleotide #	NM_001206612.1
UniProt Accession #	Q9Y3Y2; Q0VAQ8; Q2VPI9; Q5T7Y8; Q5T7Y9; Q5T7Z0; Q6NSM4; Q6PB28; Q8WYT9; Q9BUC5; Q9H034; D3DV55
Molecular Weight	21,918 Da
NCBI Official Full Name	chromatin target of PRMT1 protein isoform 2
NCBI Official Synonym Full Names	chromatin target of PRMT1
NCBI Official Symbol	CHTOP
NCBI Official Synonym Symbols	FOP; SRAG; SRAG-3; SRAG-5; pp7704; C1orf77; FL-SRAG
NCBI Protein Information	chromatin target of PRMT1 protein
UniProt Protein Name	Chromatin target of PRMT1 protein
UniProt Gene Name	CHTOP
UniProt Synonym Gene Names	C1orf77; FOP; SRAG
UniProt Entry Name	CHTOP_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

