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Datasheet for ABIN7147692
anti-CHTOP antibody (AA 179-248) (HRP)

Overview

Quantity:	100 µg
Target:	CHTOP
Binding Specificity:	AA 179-248
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CHTOP antibody is conjugated to HRP
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Chromatin target of PRMT1 protein (179-248AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	CHTOP
Alternative Name:	CHTOP (CHTOP Products)
Background:	Background: 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

Target Details

(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).

Aliases: C1orf77 antibody, chromatin target of chromatin target of PRMT1 protein antibody, Chromatin target of PRMT1 antibody, Chromatin target of PRMT1 protein antibody, Chromosome 1 open reading frame 77 antibody, CHTOP antibody, CHTOP_HUMAN antibody, DKFZp547E1010 antibody, FL- RP1-178F15.2 antibody, FL-SRAG antibody, FOP antibody, Friend of PRMT1 antibody, Friend of PRMT1 protein antibody, HT031 antibody, MGC131924 antibody, MGC86949 antibody, OTTHUMP00000035122 antibody, OTTHUMP00000035123 antibody, Pp7704 antibody, RP1 178F15.2 antibody, Small arginine- and glycine-rich protein antibody, Small protein rich in arginine and glycine antibody, SRAG antibody, SRAG-3 antibody, SRAG-5 antibody

UniProt: [Q9Y3Y2](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.