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Datasheet for ABIN1698809

**anti-CHTOP antibody (AA 31-130) (Alexa Fluor 647)**

## Overview

Quantity:	100 µL
Target:	CHTOP
Binding Specificity:	AA 31-130
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CHTOP antibody is conjugated to Alexa Fluor 647
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human C1orf77
Isotype:	IgG
Predicted Reactivity:	Human, Mouse, Rat, Dog, Cow, Sheep, Pig, Chicken
Purification:	Purified by Protein A.

## Target Details

Target:	CHTOP
Alternative Name:	C1orf77 ( <a href="#">CHTOP Products</a> )
Background:	Synonyms: Chromatin target of PRMT1 protein, Chromosome 1 open reading frame 77,

## Target Details

CHTOP, CHTOP\_HUMAN, DKFZp547E1010, FOP, Friend of PRMT1 protein, MGC131924, MGC86949, OTTHUMP00000035122, OTTHUMP00000035123, Pp7704, RP1 178F15.2, Small arginine- and glycine-rich protein, Small protein rich in arginine and glycine, SRAG.

Background: C1orf77, also known as Friend of PRMT1 protein, is a 248 amino acid protein that plays an essential role in the ligand-dependent activation of estrogen receptor target genes. C1orf77 is tightly associated with chromatin and is modified by both asymmetric and symmetric arginine methylation. Depletion of C1orf77 results in almost complete block of estradiol-induced promoter occupancy by the estrogen receptor. Also, complete knockdown of C1orf77 mRNA in adult erythroid progenitors strongly induces fetal hemoglobin, suggesting that C1orf77 is a critical modulator of  $\gamma$ -globin gene expression. There are two isoforms of C1orf77 that are produced as a result of alternative splicing events. The gene encoding C1orf77 maps to human chromosome 1, the largest human chromosome spanning about 260 million base pairs and making up 8 % of the human genome. There are about 3,000 genes on chromosome 1, and considering the great number of genes there are also a large number of diseases associated with chromosome 1.

Gene ID: 26097

## Application Details

Application Notes: IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1  $\mu$ g/ $\mu$ L

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

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

Handling

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Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months