

Rabbit C1orf77/FOP/CHTOP Polyclonal Antibody | anti-CHTOP antibody

Anti-C1orf77/FOP/CHTOP Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA19587	Rabbit	Human, Monkey, Mouse, Rat	Western Blot, Immunohistochemistry, Flow Cytometry, Functional Assay

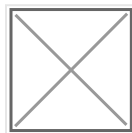
PRODUCT SYNONYMS

C1orf77/FOP/CHTOP; Polyclonal Antibody; Anti-C1orf77/FOP/CHTOP Antibody Picoband; anti-CHTOP antibody

PRODUCT SPECIFICATIONS

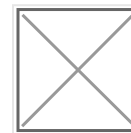
Host	Rabbit
Reactivity	Human, Monkey, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-CHTOP antibody	WB (Western Blot), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Application Notes	WB: 0.25-0.5 ug/ml, Human, Monkey, Mouse, Rat IHC-P: 2-5 ug/ml, Human FC/FACS: 1-3 ug/1x10 ⁶ cells, Human, Rat Tested Species: In-house tested species with positive results. Enhanced Chemiluminescent Kit with anti-Rabbit IgG for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit for IHC(P).
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	A synthetic peptide corresponding to a sequence of human C1orf77/FOP/CHTOP (AAQSAPKVVLKSTTKMSLNERFTNMLKNKQ).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.

IMAGES



FCM (Flow Cytometry)

Figure 9. Flow Cytometry analysis of RH35 cells using anti-C1orf77/FOP/CHTOP antibody (AAA19587). Overlay histogram showing RH35 cells stained with AAA19587 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-C1orf77/FOP/CHTOP Antibody (AAA19587, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



FCM (Flow Cytometry)

Figure 8. Flow Cytometry analysis of THP-1 cells using anti-C1orf77/FOP/CHTOP antibody (AAA19587). Overlay histogram showing THP-1 cells stained with AAA19587 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-C1orf77/FOP/CHTOP Antibody (AAA19587, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



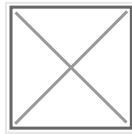
IHC (Immunohistochemistry)

Figure 7. IHC analysis of C1orf77/FOP/CHTOP using anti-C1orf77/FOP/CHTOP antibody (AAA19587).C1orf77/FOP/CHTOP was detected in a paraffin-embedded section of human thyroid cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-C1orf77/FOP/CHTOP Antibody (AAA19587) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.



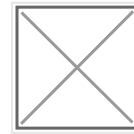
IHC (Immunohistochemistry)

Figure 6. IHC analysis of C1orf77/FOP/CHTOP using anti-C1orf77/FOP/CHTOP antibody (AAA19587).C1orf77/FOP/CHTOP was detected in a paraffin-embedded section of human spleen tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-C1orf77/FOP/CHTOP Antibody (AAA19587) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 5. IHC analysis of C1orf77/FOP/CHTOP using anti-C1orf77/FOP/CHTOP antibody (AAA19587).C1orf77/FOP/CHTOP was detected in a paraffin-embedded section of human placenta tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-C1orf77/FOP/CHTOP Antibody (AAA19587) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 4. IHC analysis of C1orf77/FOP/CHTOP using anti-C1orf77/FOP/CHTOP antibody (AAA19587).C1orf77/FOP/CHTOP was detected in a paraffin-embedded section of human laryngeal squamous cell carcinoma tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-C1orf77/FOP/CHTOP Antibody (AAA19587) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.

ADDITIONAL INFORMATION

Related Product Information for anti-CHTOP antibody	This gene encodes a small nuclear protein that is characterized by an arginine and glycine rich region. This protein may have an important role in the regulation of fetal globin gene expression and in the activation of estrogen-responsive genes. A recent study reported that this protein binds 5-hydroxymethylcytosine (5hmC) and associates with an arginine methyltransferase complex (methylosome), which promotes methylation of arginine 3 of histone H4 (H4R3) and activation of genes involved in glioblastomagenesis. Alternatively spliced transcript variants encoding different isoforms have been described for this gene.
Product Categories/Family for anti-CHTOP antibody	Primary Antibodies , Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	28875797
NCBI GeneID	26097
NCBI Accession #	NP_056422.2
NCBI GenBank Nucleotide #	NM_015607.3
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 1
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/c1orf77-fop-ctop-antibody-western-blot-immunohistochemistry-flow-cytometry-elisa/19587>