

Rabbit anti-Human TRMT61B Polyclonal Antibody | anti-TRMT61B antibody

Anti-TRMT61B Antibody Picoband

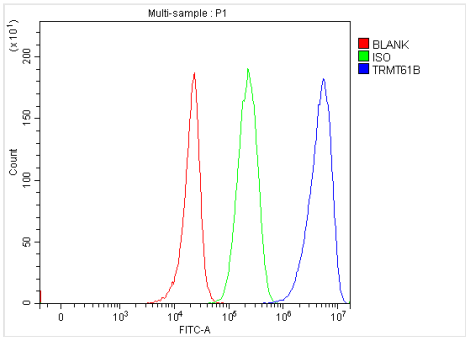
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA19629	Rabbit	Human	Western Blot, Immunohistochemistry, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

TRMT61B; Polyclonal Antibody; Anti-TRMT61B Antibody Picoband; anti-TRMT61B antibody

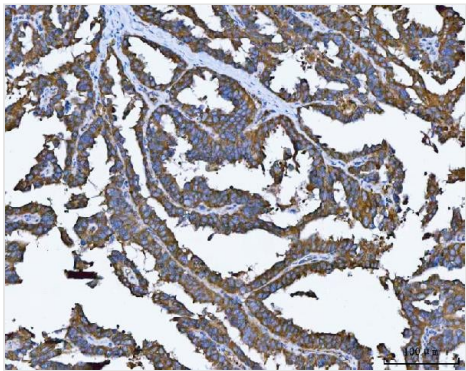
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
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-TRMT61B antibody	WB (Western Blot), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry), ELISA
Application Notes	WB: 0.25-0.5 ug/ml, Human IHC-P: 2-5 ug/ml, Human FC/FACS: 1-3 ug/1x10 ⁶ cells, Human Direct ELISA: 0.1-0.5 ug/ml, Human 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	E Coli-derived human TRMT61B recombinant protein (Position: R7-N477).
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.



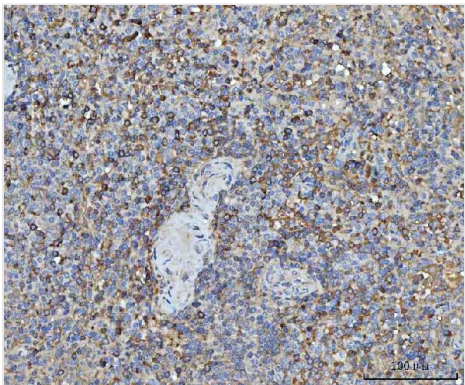
FCM (Flow Cytometry)

Figure 6. Flow Cytometry analysis of 293T cells using anti-TRMT61B antibody (AAA19629).Overlay histogram showing 293T cells stained with AAA19629 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-TRMT61B Antibody (AAA19629, 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.



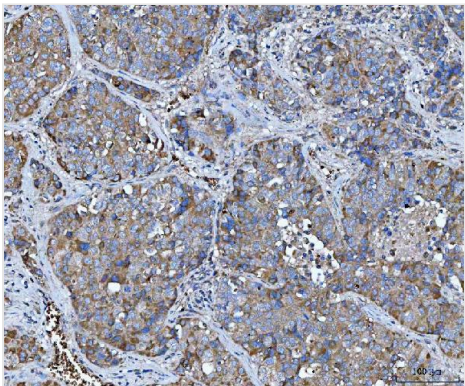
IHC (Immunohistochemistry)

Figure 4. IHC analysis of TRMT61B using anti-TRMT61B antibody (AAA19629).TRMT61B was detected in a paraffin-embedded section of human ovarian 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-TRMT61B Antibody (AAA19629) 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.



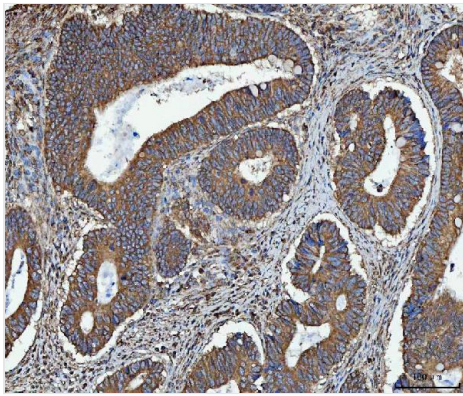
IHC (Immunohistochemistry)

Figure 5. IHC analysis of TRMT61B using anti-TRMT61B antibody (AAA19629).TRMT61B 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-TRMT61B Antibody (AAA19629) 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.



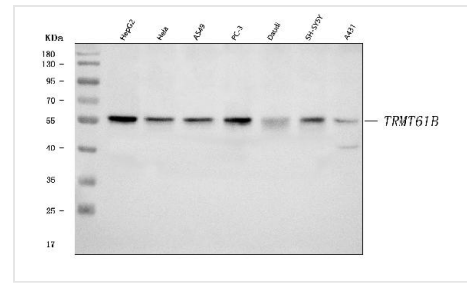
IHC (Immunohistochemistry)

Figure 3. IHC analysis of TRMT61B using anti-TRMT61B antibody (AAA19629).TRMT61B was detected in a paraffin-embedded section of human liver 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-TRMT61B Antibody (AAA19629) 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 2. IHC analysis of TRMT61B using anti-TRMT61B antibody (AAA19629). TRMT61B was detected in a paraffin-embedded section of human colorectal adenocarcinoma 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-TRMT61B Antibody (AAA19629) 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.



WB (Western Blot)

Figure 1. Western blot analysis of TRMT61B using anti-TRMT61B antibody (AAA19629). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human HepG2 whole cell lysates, Lane 2: human HeLa whole cell lysates, Lane 3: human A549 whole cell lysates, Lane 4: human PC-3 whole cell lysates, Lane 5: human Daudi whole cell lysates, Lane 6: human SH-SY5Y whole cell lysates, Lane 7: human A431 whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-TRMT61B antigen affinity purified polyclonal antibody (#AAA19629) at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for TRMT61B at approximately 57 kDa. The expected band size for TRMT61B is at 53 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-TRMT61B antibody	Enables mRNA (adenine-N1-)-methyltransferase activity; rRNA (adenine) methyltransferase activity; and tRNA (adenine-N1-)-methyltransferase activity. Involved in mRNA methylation; mitochondrial tRNA methylation; and protein homooligomerization. Located in mitochondrion.
Product Categories/Family for anti-TRMT61B antibody	Primary Antibodies , Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	222831587
NCBI GeneID	55006
NCBI Accession #	NP_060380.3
NCBI GenBank Nucleotide #	NM_017910.3
UniProt Accession #	Q9BVS5 ; Q9H0Q9 ; Q9NWS7
Molecular Weight	52,965 Da
NCBI Official Full Name	tRNA (adenine(58)-N(1))-methyltransferase, mitochondrial
NCBI Official Synonym Full Names	tRNA methyltransferase 61 homolog B (S. cerevisiae)
NCBI Official Symbol	TRMT61B
NCBI Protein Information	tRNA (adenine(58)-N(1))-methyltransferase, mitochondrial; tRNA (adenine(58)-N(1))-methyltransferase, mitochondrial; potential tRNA (adenine-N(1))-methyltransferase catalytic subunit TRMT61B; potential tRNA (adenine(58)-N(1))-methyltransferase catalytic s
UniProt Protein Name	tRNA (adenine(58)-N(1))-methyltransferase, mitochondrial
UniProt Gene Name	TRMT61B
UniProt Entry Name	TR61B_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/trmt61b-antibody-western-blot-immunohistochemistry-flow-cytometry-elisa/19629>