

Rabbit TRMT2B Polyclonal Antibody | anti-TRMT2B antibody

Anti-TRMT2B Antibody Picoband

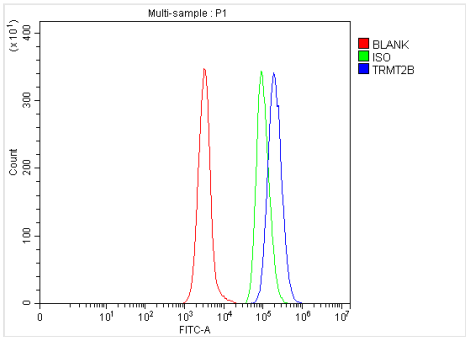
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126644	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

TRMT2B; Polyclonal Antibody; Anti-TRMT2B Antibody Picoband; anti-TRMT2B antibody

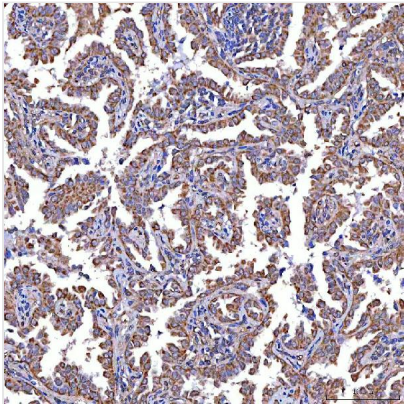
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, 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-TRMT2B antibody	ELISA, FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human TRMT2B recombinant protein (Position: M1-R504).
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.



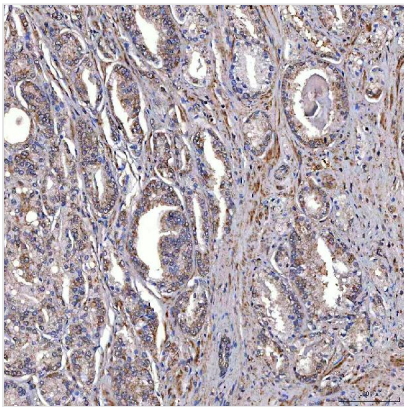
FCM/FACS (Flow Cytometry)

Figure 5. Flow Cytometry analysis of Daudi cells using anti-TRMT2B antibody (AAA126644).Overlay histogram showing Daudi cells stained with AAA126644 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-TRMT2B Antibody (AAA126644, 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.



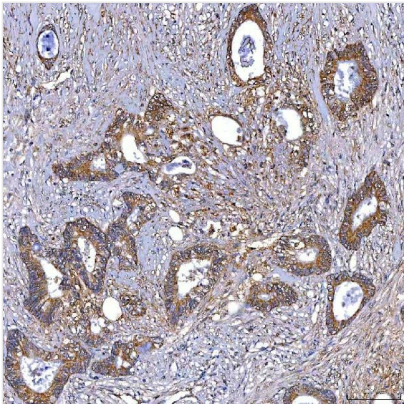
IHC (Immunohistochemisry)

Figure 3. IHC analysis of TRMT2B using anti-TRMT2B antibody (AAA126644).TRMT2B was detected in a paraffin-embedded section of human lung 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-TRMT2B Antibody (AAA126644) 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.



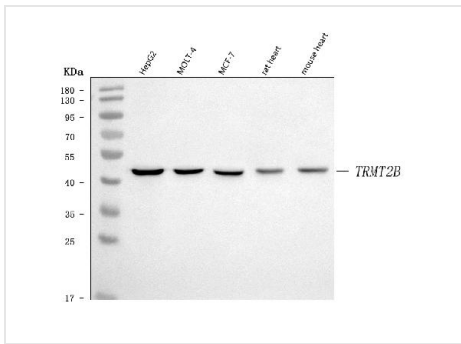
IHC (Immunohistochemistry)

Figure 4. IHC analysis of TRMT2B using anti-TRMT2B antibody (AAA126644).TRMT2B was detected in a paraffin-embedded section of human prostate 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-TRMT2B Antibody (AAA126644) 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 (Immunohiostchemistry)

Figure 2. IHC analysis of TRMT2B using anti-TRMT2B antibody (AAA126644).TRMT2B was detected in a paraffin-embedded section of human colon 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-TRMT2B Antibody (AAA126644) 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 TRMT2B using anti-TRMT2B antibody (AAA126644). 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 MOLT-4 whole cell lysates, Lane 3: human MCF-7 whole cell lysates, Lane 4: rat heart tissue lysates, Lane 5: mouse heart tissue 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-TRMT2B antigen affinity purified polyclonal antibody (#AAA126644) 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 TRMT2B at approximately 47 kDa. The expected band size for TRMT2B is at 56 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-TRMT2B antibody	This gene encodes a homolog of the TRM2 gene in <i>S. cerevisiae</i> . The yeast gene encodes a tRNA methyltransferase that plays a role in tRNA maturation. The yeast protein also has endo-exonuclease activity and may be involved in DNA double strand break repair. Alternative splicing results in multiple transcripts encoding different isoforms.
Product Categories/Family for anti-TRMT2B antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	269784676
NCBI GeneID	79979
NCBI Accession #	NP_001161442.1
NCBI GenBank Nucleotide #	NM_001167970.1
UniProt Accession #	Q96GJ1; Q5JPF0; Q5JVV6; Q96HU7; Q96IH9; Q9H9K2; A6NDG5; A6NEI9; A6NMG6
Molecular Weight	56,476 Da
NCBI Official Full Name	tRNA (uracil(54)-C(5))-methyltransferase homolog isoform a
NCBI Official Synonym Full Names	tRNA methyltransferase 2 homolog B (<i>S. cerevisiae</i>)
NCBI Official Symbol	TRMT2B
NCBI Official Synonym Symbols	CXorf34; dJ341D10.3
NCBI Protein Information	tRNA (uracil(54)-C(5))-methyltransferase homolog; tRNA (uracil(54)-C(5))-methyltransferase homolog; TRM2 homolog; TRM2 tRNA methyltransferase 2 homolog B; tRNA (uracil-5-)-methyltransferase homolog
UniProt Protein Name	tRNA (uracil(54)-C(5))-methyltransferase homolog
UniProt Gene Name	TRMT2B

UniProt Synonym Gene Names	CXorf34
UniProt Entry Name	TRM2_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://www.aaabiotech.com/polyclonal/trmt2b-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/126644>