

Rabbit RUNX1T1/ETO Polyclonal Antibody | anti-RUNX1T1/ETO antibody

Anti-RUNX1T1/ETO antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA124670	Rabbit	Human, Mouse, Rat No cross reactivity with other proteins.	Immunocytochemistry, Western Blot, Immunohistochemistry

PRODUCT SYNONYMS

RUNX1T1/ETO; Polyclonal Antibody; Anti-RUNX1T1/ETO antibody; Protein CBFA2T1; Cyclin-D-related protein; Eight twenty one protein; Protein ETO; Protein MTG8; Zinc finger MYND domain-containing protein 2; RUNX1T1; AML1T1; CBFA2T1; CDR; ETO; MTG8; ZMYND2; anti-RUNX1T1/ETO antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat No cross reactivity with other proteins.
Clonality	Polyclonal
Isotype	IgG
Specificity	No cross reativity with other proteins
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	400
Applicable Applications for anti-RUNX1T1/ETO antibody	ICC (Immunocytochemistry), WB (Western Blot), IHC (Immunohistochemistry)
Immunogen	E Coli-derived human RUNX1T1/ETO recombinant protein (Position: T335-D510).
Species	Reacts with: Human, mouse, rat.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Contents	Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemisry)

Figure 3. IHC analysis of RUNX1T1/ETO using anti-RUNX1T1/ETO antibody (AAA124670).RUNX1T1/ETO was detected in paraffin-embedded section of mouse brain tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-RUNX1T1/ETO Antibody (AAA124670) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC (Immunohiostchemistry)

Figure 2. IHC analysis of RUNX1T1/ETO using anti-RUNX1T1/ETO antibody (AAA124670).RUNX1T1/ETO was detected in paraffin-embedded section of human mammary cancer tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-RUNX1T1/ETO Antibody (AAA124670) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



WB (Western Blot)

Figure 1. Western blot analysis of RUNX1T1/ETO using anti-RUNX1T1/ETO antibody (AAA124670). 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 50ug of sample under reducing conditions. Lane 1: human placenta tissue lysates, Lane 2: mouse testis tissue lysates. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA 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-RUNX1T1/ETO antigen affinity purified polyclonal antibody at 0.5ug/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 1:10000 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 RUNX1T1/ETO at approximately 67KD. The expected band size for RUNX1T1/ETO is at 67KD.

ADDITIONAL INFORMATION

Related Product Information for anti-RUNX1T1/ETO antibody	Description: Protein CBFA2T1 is a protein that in humans is encoded by the RUNX1T1 gene. This gene encodes a member of the myeloid translocation gene family which interact with DNA-bound transcription factors and recruit a range of corepressors to facilitate transcriptional repression. The t(8; 21)(q22; q22) translocation is one of the most frequent karyotypic abnormalities in acute myeloid leukemia. The translocation produces a chimeric gene made up of the 5'-region of the runt-related transcription factor 1 gene fused to the 3'-region of this gene. The chimeric protein is thought to associate with the nuclear corepressor/histone deacetylase complex to block hematopoietic differentiation. Alternative splicing results in multiple transcript variants.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	310923090
NCBI GeneID	862
NCBI Accession #	NP_001185554.1
NCBI GenBank Nucleotide #	NM_001198625.1
UniProt Accession #	Q06455; O14784; Q06456; Q14873; Q16239; Q16346; Q16347; Q6IBL1; Q6NXH1; Q7Z4J5; B7Z4P4; E7EPN4
NCBI Official Full Name	protein CBFA2T1 isoform A
NCBI Official Synonym Full Names	RUNX1 translocation partner 1
NCBI Official Symbol	RUNX1T1
NCBI Official Synonym Symbols	CDR; ETO; MTG8; AML1T1; ZMYND2; CBFA2T1; AML1-MTG8
NCBI Protein Information	protein CBFA2T1
UniProt Protein Name	Protein CBFA2T1
UniProt Gene Name	RUNX1T1
UniProt Synonym Gene Names	AML1T1; CBFA2T1; CDR; ETO; MTG8; ZMYND2

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/runx1t1-eto-antibody-immunocytochemistry-western-blot-immunohistochemistry-elisa/124670>