

Rabbit anti-Mouse, Rat BCMA/Tnfrsf17 Polyclonal Antibody | anti-Tnfrsf17 antibody

Anti-BCMA/Tnfrsf17 Antibody

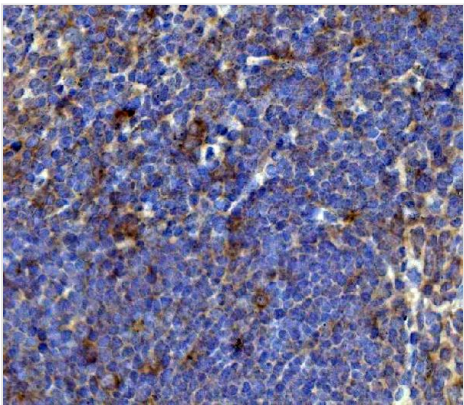
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA125584	Rabbit	Mouse, Rat	Flow Cytometry, Functional Assay, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

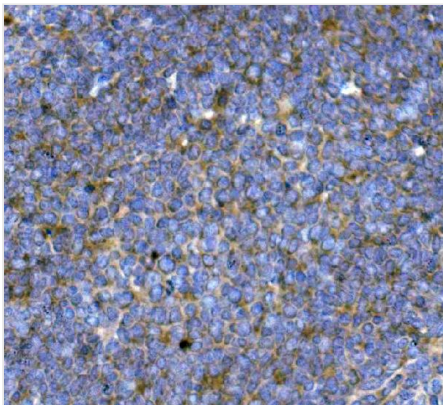
BCMA/Tnfrsf17; Polyclonal Antibody; Anti-BCMA/Tnfrsf17 Antibody; Tnfrsf17; Bcm; Bcma; Tumor necrosis factor receptor superfamily member 17; B-cell maturation protein; CD antigen CD269; tumor necrosis factor receptor superfamily; member 17; anti-Tnfrsf17 antibody

PRODUCT SPECIFICATIONS

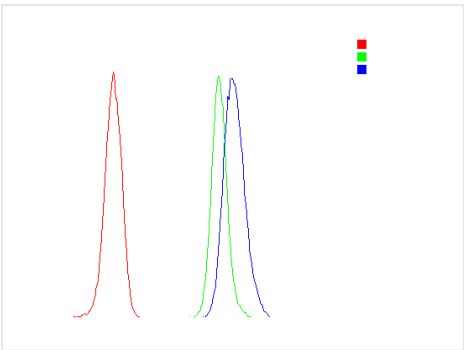
Host	Rabbit
Reactivity	Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Rabbit IgG polyclonal antibody for BCMA/Tnfrsf17 detection.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na2HPO4, 0.01mg NaN3.
Applicable Applications for anti-Tnfrsf17 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence of mouse BCMA/Tnfrsf17 (FHSEYFDSLHACKPCHLRC).
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Recommended Detection Systems	Recommended Detection Systems
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.



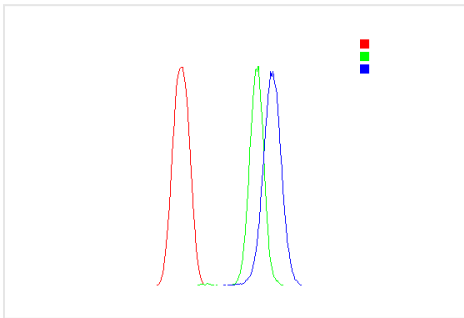
IHC (Immunohistochemistry)
Figure 5. IHC analysis of BCMA/Tnfrsf17 using anti-BCMA/Tnfrsf17 antibody (AAA125584).BCMA/Tnfrsf17 was detected in paraffin-embedded section of rat spleen tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8. 0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2μg/ml rabbit anti-BCMA/Tnfrsf17 Antibody (AAA125584) 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.



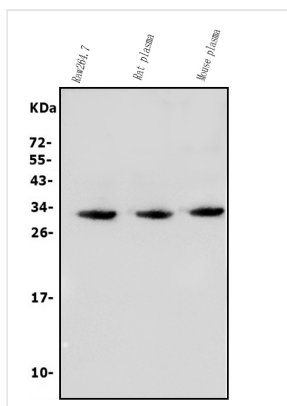
IHC (Immunohistochemistry)
Figure 4. IHC analysis of BCMA/Tnfrsf17 using anti-BCMA/Tnfrsf17 antibody (AAA125584).BCMA/Tnfrsf17 was detected in paraffin-embedded section of mouse spleen tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8. 0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2μg/ml rabbit anti-BCMA/Tnfrsf17 Antibody (AAA125584) 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.



FCM/FACS (Flow Cytometry)
Figure 3. Flow Cytometry analysis of Raw264. 7 cells using anti-BCMA/Tnfrsf17 antibody (AAA125584).Overlay histogram showing Raw264. 7 cells stained with AAA125584 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-BCMA/Tnfrsf17 Antibody (AAA125584, 1μg/1x106 cells) for 30 min at 20 degree C. DyLight®488 conjugated goat anti-rabbit IgG (5-10μg/1x106 cells) was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1μg/1x106) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



FCM/FACS (Flow Cytometry)
Figure 2. Flow Cytometry analysis of HEPA1-6 cells using anti-BCMA/Tnfrsf17 antibody (AAA125584).Overlay histogram showing HEPA1-6 cells stained with AAA125584 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-BCMA/Tnfrsf17 Antibody (AAA125584, 1μg/1x106 cells) for 30 min at 20 degree C. DyLight®488 conjugated goat anti-rabbit IgG (5-10μg/1x106 cells) was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1μg/1x106) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)

Figure 1. Western blot analysis of BCMA/Tnfrsf17 using anti-BCMA/Tnfrsf17 antibody (AAA125584). 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: mouse Raw264. 7 whole cell lysates Lane 2: rat plasma lysates Lane 3: mouse plasma 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-BCMA/Tnfrsf17 antigen affinity purified polyclonal antibody (Catalog # AAA125584) at 0. 5 μg/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 BCMA/Tnfrsf17 at approximately 30KD. The expected band size for BCMA/Tnfrsf17 is at 30KD.

ADDITIONAL INFORMATION

Related Product Information for anti-Tnfrsf17 antibody	B-cell maturation antigen (BCMA or BCM), also known as tumor necrosis factor receptor superfamily member 17 (TNFRSF17), is a protein that in humans is encoded by the TNFRSF17 gene. The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor is preferentially expressed in mature B lymphocytes, and may be important for B cell development and autoimmune response. This receptor has been shown to specifically bind to the tumor necrosis factor (ligand) superfamily, member 13b (TNFSF13B/TALL-1/BAFF), and to lead to NF-kappaB and MAPK8/JNK activation. This receptor also binds to various TRAF family members, and thus may transduce signals for cell survival and proliferation.
References	1. "Entrez Gene: TNFRSF17 tumor necrosis factor receptor superfamily, member 17". 2. Laabi Y, Gras MP, Brouet JC, Berger R, Larsen CJ, Tsapis A (Apr 1994). "The BCMA gene, preferentially expressed during B lymphoid maturation, is bidirectionally transcribed". Nucleic Acids Research. 22 (7): 1147-54.

NCBI AND UNIPROT INFORMATION

NCBI GI #	21264088
NCBI GeneID	21935
UniProt Accession #	O88472
Molecular Weight	19,932 Da
NCBI Official Full Name	Tumor necrosis factor receptor superfamily member 17
NCBI Official Synonym Full Names	tumor necrosis factor receptor superfamily, member 17
NCBI Official Symbol	Tnfrsf17
NCBI Official Synonym Symbols	BCM; BCMA; Tnfrsf13; Tnfrsf13a
NCBI Protein Information	tumor necrosis factor receptor superfamily member 17; B-cell maturation protein
UniProt Protein Name	Tumor necrosis factor receptor superfamily member 17
UniProt Gene Name	Tnfrsf17

UniProt Synonym Gene Names	Bcm; Bcma
UniProt Entry Name	TNR17_MOUSE

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/bcma-tnfrsf17-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/125584>