10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

BCMA (TNFRSF17) Antibody
Purified Rabbit Polyclonal Antibody
Catalog # ABV11544

Specification

BCMA (TNFRSF17) Antibody - Product Information

Application	**WB**
Primary Accession	Q02223
Reactivity	**Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**rabbit IgG**
Calculated MW	**20165**

BCMA (TNFRSF17) Antibody - Additional Information

Gene ID 608

Other Names
B Cell Maturation, BCM, CD269, TNFRSF17, 109545, Q02223, BCMA

Target/Specificity
BCMA (TNFRSF17)

Formulation
100 µg (0.5 mg/ml) of antibody in PBS pH 7.2, 0.01 % BSA, 0.03 % ProClin®, and 50 % glycerol.

Handling
The antibody solution should be gently mixed before use.

Background Descriptions

Precautions
BCMA (TNFRSF17) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

BCMA (TNFRSF17) Antibody - Protein Information

Name TNFRSF17

Synonyms BCM, BCMA

Function
Receptor for TNFSF13B/BLyS/BAFF and TNFSF13/APRIL. Promotes B-cell survival and plays a role in the regulation of humoral immunity. Activates NF-kappa-B and JNK.

Cellular Location

Cell membrane; Single-pass type III membrane protein. Endomembrane system; Single-pass type III membrane protein Note=Perinuclear Golgi-like structures

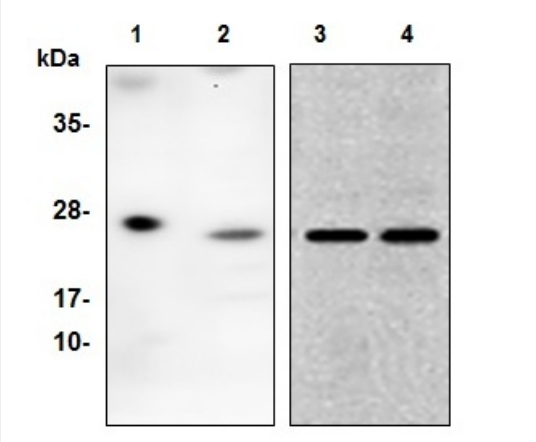
Tissue Location
Expressed in mature B-cells, but not in T-cells or monocytes

BCMA (TNFRSF17) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

BCMA (TNFRSF17) Antibody - Images



Western blot with human BCMA antibody: lane1.22ug mouse muscle lysate; lane2.60ug rat kidney lysate; lane3.50ug K562 lysate; lane4.50ug U937 lysate

BCMA (TNFRSF17) Antibody - Background

BCMA, also named TNFRSF17, is a receptor for tnfsf13b/blys/baff and tnfsf13/april. TNFRSF17 promotes b-cell survival and plays a role in the regulation of humoral immunity. TNFRSF17 activates nf-κ-b and jnk. TNFRSF17 is a member of the TNF-receptor superfamily. TNFRSF17 is expressed in mature B lymphocytes, and is involved in B cell development and autoimmune response. TNFRSF17 specifically binds to the tumor TNFSF13B/TALL-1/BAFF, which causes NF-κB and MAPK8/JNK activation. TNFRSF17 binds to a variety of TRAF family members, and therefore transduces signals for cell survival and proliferation. TNFRSF17 is a type III membrane protein having 1 extracellular cysteine rich domain. Within the TNFRSF, it shares the highest homology with TACI. BCMA and TACI have both been shown to bind to APRIL and BAFF, members of the TNF ligand superfamily. BCMA expression has been found in immune organs. TNFRSF17 appears to be localized to the Golgi compartment. The binding of BCMA to APRIL or BAFF has been shown to stimulate IgM production in peripheral blood B cells and increase the survival of cultured B cells.