

TNFRSF17/BCMA Antibody

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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: W, IP	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 18, 23	Source/Isotype: Rabbit	UniProt ID: #Q02223	Entrez-Gene Id: 608
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Product Usage Information**Application**

Western Blotting
Immunoprecipitation

Dilution

1:1000
1:50

Storage

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA and 50% glycerol. Store at -20°C. Do not aliquot the antibody.

Specificity/Sensitivity

TNFRSF17/BCMA Antibody recognizes endogenous levels of total TNFRSF17/BCMA protein.

Source / Purification

Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Leu115 of human TNFRSF17/BCMA protein. Antibodies are purified by protein A and peptide affinity chromatography.

Background

B cell maturation antigen (BCMA/TNFRSF17/CD269) is a transmembrane glycoprotein and member of the TNFR superfamily (1). BCMA expression is largely restricted to the B cell lineage. Pro-survival signaling through this receptor plays a pivotal role in humoral immunity by regulating B cell maturation and plasma cell differentiation upon binding its ligands, BAFF and APRIL (2-6). BCMA is expressed in a number of B cell malignancies and has garnered much attention as a novel therapeutic target for the treatment of multiple myeloma due to its selective and elevated expression on the cell surface of malignant plasma cells (7-10).

Background References

1. Madry, C. et al. (1998) *Int Immunol* 10, 1693-702.
2. Chiu, A. et al. (2007) *Blood* 109, 729-39.
3. Avery, D.T. et al. (2003) *J Clin Invest* 112, 286-97.
4. O'Connor, B.P. et al. (2004) *J Exp Med* 199, 91-8.
5. Darce, J.R. et al. (2007) *J Immunol* 178, 5612-22.
6. Xu, S. and Lam, K.P. (2001) *Mol Cell Biol* 21, 4067-74.
7. Carpenter, R.O. et al. (2013) *Clin Cancer Res* 19, 2048-60.
8. Tai, Y.T. et al. (2006) *Cancer Res* 66, 6675-82.
9. Moreaux, J. et al. (2004) *Blood* 103, 3148-57.
10. Tai, Y.T. et al. (2014) *Blood* 123, 3128-38.

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween@ 20 at 4°C with gentle shaking, overnight.

Applications Key

W: Western Blotting **IP:** Immunoprecipitation

Cross-Reactivity Key

H: Human

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