Product Name: CD267 Rabbit Polyclonal Antibody
Catalog #: APRab08314

Summary

Production Name	CD267 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Rat,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	TNFRSF13B
Alternative Names	TNFRSF13B; TACI; Tumor necrosis factor receptor superfamily member 13B; Transmembrane activator and CAML interactor; CD267
Gene ID	23495.0
SwissProt ID	O14836.The antiserum was produced against synthesized peptide derived from the Internal region of human TNFRSF13B. AA range:81-130

Application

Dilution Ratio	WB 1:500 - 1:2000. ELISA: 1:10000
Molecular Weight	32kD

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Background

The protein encoded by this gene is a lymphocyte-specific member of the tumor necrosis factor (TNF) receptor superfamily. It interacts with calcium-modulator and cyclophilin ligand (CAML). The protein induces activation of the transcription factors NFAT, AP1, and NF-kappa-B and plays a crucial role in humoral immunity by interacting with a TNF ligand. This gene is located within the Smith-Magenis syndrome region on chromosome 17. [provided by RefSeq, Jul 2008],disease:Defects in TNFRSF13B are a cause of common variable immunodeficiency (CVID) [MIM:240500]. CVID is characterized by a deficiency in all immunoglobulin (Ig) isotypes. Individuals with CVID suffer from recurrent sinopulmonary and gastrointestinal infections and have an increased incidence of autoimmune disorders and of lymphoid and non-lymphoid malignancies. There is evidence for a global isotype switching defect in some individuals with CVID. But CVID is a complex and heterogeneous disease in which defects in B-cell survival, number of circulating CD27+ memory B-cells (including IgM+CD27+ B-cells), B-cell activation after antigen receptor cross-linking, T-cell signaling and cytokine expression have been observed.,disease:Defects in TNFRSF13B are a cause of immunoglobulin A deficiency 2 (IGAD2) [MIM:609529]. Selective deficiency of immunoglobulin A (IGAD) is the most common form of primary immunodeficiency, with an incidence of approximately 1 in 600 individuals in the western world. Individuals with symptomatic IGAD often have deficiency of IgG subclasses or decreased antibody response to carbohydrate antigens such as pneumococcal polysaccharide vaccine. Individuals with IGAD also suffer from recurrent sinopulmonary and gastrointestinal infections and have an increased incidence of autoimmune disorders and of lymphoid and non-lymphoid malignancies. In vitro studies have suggested that some individuals with IGAD have impaired isotype class switching to IgA and others may have a post-switch defect. IGAD and CVID have been known to coexist in families. Some individuals initially present with IGAD1 and then develop CVID. These observations suggest that some cases of IGAD and CVID may have a common etiology.,function:Receptor for TNFSF13/APRIL and TNFSF13B/TALL1/BAFF/BLYS that binds both ligands with similar high affinity. Mediates calcineurin-dependent activation of NF-AT, as well as activation of NF-kappa-B and AP-1. Involved in the stimulation of B- and T-cell function and the regulation of humoral immunity.,online information:TNFRSF13B mutation db,similarity:Contains 2 TNFR-Cys repeats.,subunit:Binds TRAF2, TRAF5 and TRAF6. Binds the NH2-terminal domain of CAMLG with its C-terminus.,tissue specificity:Highly expressed in spleen, thymus, small intestine and peripheral blood leukocytes. Expressed in resting B-cells and activated T-cells, but not in resting T-cells.,

Research Area

Cytokine-cytokine receptor interaction;Intestinal immune network for IgA production;Primary immunodeficiency;

Image Data

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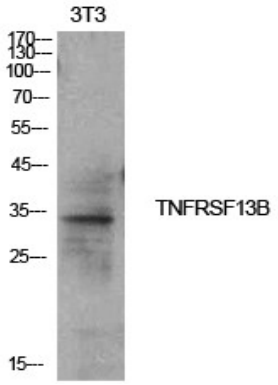
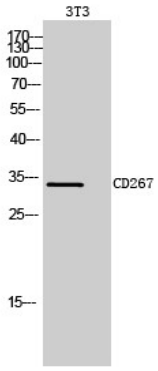


Western Blot analysis of NIH-3T3 cells using CD267 Polyclonal Antibody.. Secondary antibody was diluted at 1:20000



Western Blot analysis of 3T3 cells using CD267 Polyclonal Antibody. Secondary antibody was diluted at 1:20000

Note

For research use only.