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

APRIL Antibody

Catalog # ASC10135

Product Information

Application	WB, E, IHC-P
Primary Accession	O75888
Other Accession	NP_003799, 4507599
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	27433
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	APRIL antibody can be used for detection of APRIL by Western blot at 1 - 4 g/mL. Antibody can also be used for immunohistochemistry starting at 10 g/mL.

Additional Information

Gene ID	8741
Other Names	APRIL Antibody: APRIL, CD256, TALL2, ZTNF2, TALL-2, TRDL-1, UNQ383/PRO715, APRIL, Tumor necrosis factor ligand superfamily member 13, A proliferation-inducing ligand, tumor necrosis factor (ligand) superfamily, member 13
Target/Specificity	TNFSF13;
Reconstitution & Storage	APRIL antibody can be stored at 4℃ for three months and -20℃, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Precautions	APRIL Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	TNFSF13
Synonyms	APRIL, TALL2, ZTNF2
Function	Cytokine that binds to TNFRSF13B/TACI and to TNFRSF17/BCMA. Plays a role in the regulation of tumor cell growth. May be involved in monocyte/macrophage-mediated immunological processes.
Cellular Location	Secreted.

Tissue Location	Expressed at high levels in transformed cell lines, cancers of colon, thyroid, lymphoid tissues and specifically expressed in monocytes and macrophages

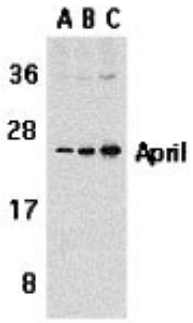
Background

APRIL Antibody: Members in the TNF superfamily regulate immune responses and induce apoptosis. A novel member in the TNF family was recently identified by several groups and designated APRIL (for a proliferation-inducing ligand), TALL-2 (for TNF- and ApoL-related Leukocyte-expressed Ligand 2), and TRDL-1α (for TNF related death ligand 1α) in human and mouse. Two receptors for APRIL were recently identified and designated TACI and BCMA. APRIL stimulates B and T cell proliferation, triggers humoral immune responses, activates NF-κB, and induces cell death. APRIL and its close relative of BlyS and their receptors BCMA and TACI are involved in diseases of autoimmunity and cancer.

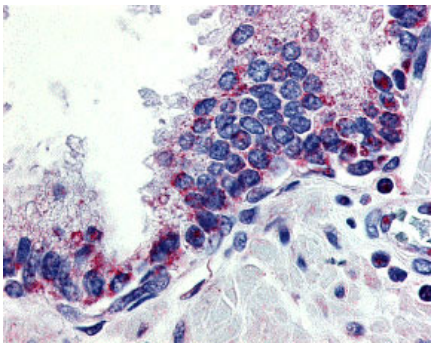
References

Hahne M, Kataoka T, Schroter M, et al. APRIL, a new ligand of the tumor necrosis factor family, stimulates tumor cell growth. J. Exp. Med. 1998; 188:1185-90.
Shu HB, Hu WH, Johnson H. TALL-1 is a novel member of the TNF family that is down-regulated by mitogens. J. Leukoc. Biol. 1999; 65:680-3.
Kelly K, Manos E, Jensen G, et al. APRIL/TRDL-1, a tumor necrosis factor-like ligand, stimulates cell death. Cancer Res. 2000; 60:1021-7.
Yu G, Boone T, Delaney J, et al. APRIL and TALL-I and receptors BCMA and TACI: system for regulating humoral immunity. Nat. Immunol. 2000; 1:252-6.

Images



Western blot analysis of APRIL expression in Jurkat cells with APRIL antibody at 1 µg/mL (A), 2 µg/mL (B), and 4 µg/mL (C).



Immunohistochemistry of APRIL in human prostate tissue with APRIL antibody at 10 µg/mL.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.