

**APRIL Antibody**  
**Catalog # ASC10088****Specification**

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**APRIL Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">O75888</a>
Other Accession	<a href="#">NP_003799</a> , <a href="#">4507599</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	27 kDa KDa
Application Notes	APRIL can be used for detection of APRIL by Western blot at 5 - 10 µg/mL. A 27 kDa band can be detected.

**APRIL Antibody - 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°C for three months and -20°C, 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.

**APRIL Antibody - 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.

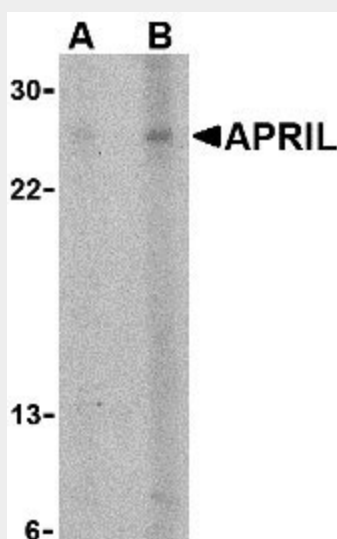
**Tissue Location**

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

**APRIL 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 Cytometry](#)
- [Cell Culture](#)

**APRIL Antibody - Images**

Western blot analysis of APRIL expression in K562 cells with APRIL antibody at (A) 5 and (B) 10 µg/mL.

**APRIL Antibody - 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-1 $\alpha$  (for TNF related death ligand 1 $\alpha$ ) 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- $\kappa$ B, 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.

**APRIL Antibody - 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(6):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(5):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(4):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(3):252-6.