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# APRIL Antibody

Catalog # ASC10088

## Product Information

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| **Application** | WB, E |
| **Primary Accession** | O75888 |
| **Other Accession** | NP_003799, 4507599 |
| **Reactivity** | Human |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |
| **Calculated MW** | 27433 |
| **Conjugate** | Unconjugated |
| **Application Notes** | APRIL can be used for detection of APRIL by Western blot at 5 - 10 □g/mL. A 27 kDa band can be detected. |

## Additional Information

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| **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

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| **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

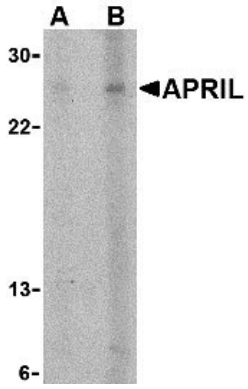
## Background

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(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.

## Images




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

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