

Product datasheet for **AP06646PU-N**

APRIL (TNFSF13) Rabbit Polyclonal Antibody

Product data:

| | |
|-------------------------|--|
| Product Type: | Primary Antibodies |
| Applications: | IF, IHC, WB |
| Recommended Dilution: | Western blot: 1/500-1/1000. Immunofluorescence: 1/50-1/200. Immunohistochemistry on Paraffin Sections: 1/50-1/200. |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Immunogen: | Synthetic peptide, corresponding to amino acids 151-200 of Human APRIL. |
| Specificity: | This antibody detects endogenous levels of APRIL protein. (region surrounding Ser183) |
| Formulation: | Phosphate buffered saline (PBS), pH 7.2 State: Aff - Purified State: Liquid purified Ig fraction (> 95% by SDS-PAGE) Preservative: 15 mM Sodium Azide |
| Concentration: | 1.0 mg/ml |
| Purification: | Affinity Chromatography using epitope-specific immunogen |
| Conjugation: | Unconjugated |
| Storage: | Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. |
| Stability: | Shelf life: one year from despatch. |
| Predicted Protein Size: | ~22 to 32 kDa |
| Gene Name: | tumor necrosis factor superfamily member 13 |
| Database Link: | Entrez Gene 8741 Human O75888 |



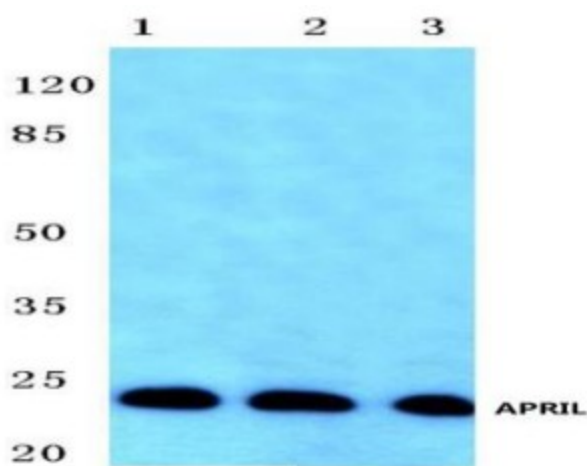
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Background:

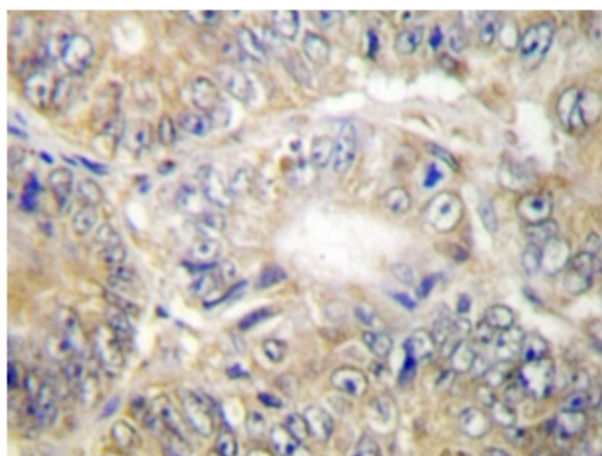
A proliferation-inducing ligand (APRIL), also designated TNFSF13, is a Type II membrane protein that shares characteristics with other members of the tumor necrosis factor (TNF) cytokine family. APRIL is expressed in high levels in transformed cell lines and in human colon, thyroid, and lymphoid tumor tissues. APRIL is critically involved in the regulation of infections, inflammation, autoimmune diseases, and tissue homeostasis. APRIL is implicated in the regulation of tumor cell growth. The C-terminal extracellular domain has a jelly roll topography and is important in ligand trimerization. The binding of the ligand to its respective receptor induces oligomerization, initiating downstream signaling events. Intrinsic to oligomerization is the formation of the receptor binding site at the junction between neighboring subunits, creating a multivalent ligand.

Synonyms:

TNFSF13, TALL2, TALL-2, ZTNF2, TRDL-1

Product images:


Western blot (WB) analysis of APRIL antibody at 1/500 dilution Lane 1:HEK293T cell lysate Lane 2:SP2/0 cell lysate Lane 3:H9C2 cell lysate



Immunohistochemistry analysis of CD256 / APRIL Antibody in paraffin-embedded human colon carcinoma tissue