antibodies

# Datasheet for ABIN7211568 anti-TNFSF13 antibody (AA 93-233)

3 Images



### Overview

Quantity:	100 µg
Target:	TNFSF13
Binding Specificity:	AA 93-233
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This TNFSF13 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunoprecipitation (IP), Immunocytochemistry (ICC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	Recombinant human APRIL (aa 93-233).
Clone:	Aprily-8
Isotype:	lgG1
Specificity:	Recognizes APRIL and TWE-PRIL.
Cross-Reactivity (Details):	Does not cross-react with mouse APRIL or TWE-PRIL.
Characteristics:	A-Proliferation-inducing ligand  TNFSF 13  CD256,APRIL (human) monoclonal antibody (Aprily- 8)
Purification:	Purified from concentrated hybridoma tissue supernatant.

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## Target Details

Target:	TNFSF13
Alternative Name:	APRIL (TNFSF13 Products)
UniProt:	075888
Pathways:	Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process, Production of Molecular Mediator of Immune Response

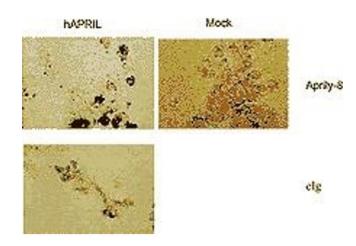
# Application Details

Application Notes:	Excellent for Immunocytochemistry and Western Blot.
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Buffer:	Liquid. In PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid freeze/thaw cycles.
Storage:	-20 °C
Storage Comment:	+4°C Stable for at least one year after receipt when stored at -20°C.
Expiry Date:	12 months





#### Western Blotting

**Image 1.** Western blot of total cell extracts from HEK 293 cells transfected with the indicated expression vector. Aprily-8 reacts specifically with human APRIL.Method:  $10 \mu g$  of protein was applied to the gel. Revealed with Aprily-8 ( $1 \mu g/mL$ ) and HRP-coupled anti-mouse secondary antibody (1:4',000).Note: The human APRIL construct used in this experiment is an uncleavable fusion protein between human BAFF (aa 1-132) and human APRIL (aa 93-233).

#### Immunohistochemistry

Image 2. Immunostaining of HEK 293 cells transfected with a human APRIL expression plasmid (left panels), or mock transfected (right panel) by Aprily-8.Method: 3 days after transfection of cells with the indicated constructs, cells were fixed with 4% formaldehyde 5 min. at RT. After a wash in PBS, samples were dehydrated by washes in 60%, 80%, 90%, 100% EtOH and xylol. Cells were then dried and embedded in paraffin. Sections were cut, mounted on slides and dried overnight at 50°C. Slides were then successively washed 2x 10 min. in xylol, 2x 10 min. in 100% ethanol, and then treated 10 min. in 100% methanol/0.6% H202 to inhibit endogenous peroxidase. Samples were rehydrated by washes in 90%, 80%, 60% ethanol and PBS. After microwave treatment, slides were washed 3x in PBS, blocked with IgG, and incubated for 1 hour with 5µg/ml Aprily-8 or control mouse IgG (isotype control) in 1%BSA / 1x PBS for 1 hour. After PBS washes, samples were incubated with the secondary Ab for 1 hour, washed in PBS and revealed with StreptABComplex/HRP (Vector) and AEC.

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### **Flow Cytometry**

Mock hApril

**Image 3.** FACS analysis of cells with MAb to APRIL (Aprily-8).Method: HEK 293 cells were mock transfected or transfected with an expression plasmid coding for a non-cleavable human APRIL. Cells (5x105) were incubated on ice for 30 min. in 50 µL FACS buffer (PBS, 5% fetal calf serum, 0.02% azide) containing 10 µg/mL of Aprily-8 antibody. After washing in FACS buffer, FITC-conjugated antibody to mouse IgG was added. Cells were incubated on ice for 30 min., washed and analyzed by flow cytometry.

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