

ARG54369 anti-BAFF antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes BAFF
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, WB
Specificity	This antibody recognizes human, mouse, and rat BAFF (approx. 38kDa).
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	BAFF
Species	Human
Immunogen	Peptide corresponding to aa 254-269 at the C-terminus of human BAFF.
Conjugation	Un-conjugated
Alternate Names	BLYS; TALL1; Dendritic cell-derived TNF-like molecule; THANK; DTL; TNF- and APOL-related leukocyte expressed ligand 1; TNFSF20; CD257; BLYS; Tumor necrosis factor ligand superfamily member 13B; ZTNF4; CD antigen CD257; B lymphocyte stimulator; TALL-1; BAFF; B-cell-activating factor

Application Instructions

Application table	Application	Dilution
	ICC/IF	1-2 µg/mL
	IHC-P	10-20 µg/mL
	WB	1-2 µg/mL
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	HL60	

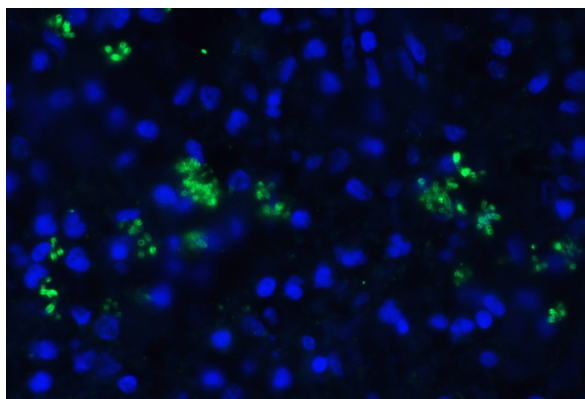
Properties

Form	Liquid
Purification	Immunoaffinity chroma-tography
Buffer	PBS (pH 7.4) and 0.02% Sodium azide
Preservative	0.02% Sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Bioinformation

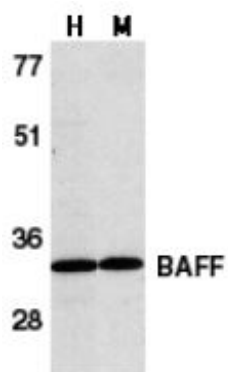
Database links	GeneID: 10673 Human GeneID: 24099 Mouse Swiss-port # Q9WU72 Mouse Swiss-port # Q9Y275 Human
Gene Symbol	TNFSF13B
Gene Full Name	tumor necrosis factor (ligand) superfamily, member 13b
Background	A novel member of the TNF superfamily was recently identified and designated BAFF (B Cell Activating Factor of the TNF Family) or BlyS (B Lymphocyte Stimulator), TALL-1 (TNF- and ApoL-Related Leukocyte-Expressed Ligand), and THANK (TNF Homologue that Activates Apoptosis, NF- B and c-jun N-terminal Kinase). BAFF is designated a B cell stimulator since it induces B cell proliferation and immunoglobulin secretion. BAFF and its receptors are involved in the development of systemic lupus erythematosus and other B cell-associated autoimmune diseases.
Function	Cytokine that binds to TNFRSF13B/TACI and TNFRSF17/BCMA. TNFSF13/APRIL binds to the same 2 receptors. Together, they form a 2 ligands -2 receptors pathway involved in the stimulation of B- and T-cell function and the regulation of humoral immunity. A third B-cell specific BAFF-receptor (BAFFR/BR3) promotes the survival of mature B-cells and the B-cell response. Isoform 2 seems to inhibit isoform 1 secretion and bioactivity. Isoform 3: Acts as a transcription factor for its own parent gene, in association with NF-kappa-B p50 subunit, at least in autoimmune and proliferative B-cell diseases. The presence of Delta4BAFF is essential for soluble BAFF release by IFNG/IFN-gamma-stimulated monocytes and for B-cell survival. It can directly or indirectly regulate the differential expression of a large number of genes involved in the innate immune response and the regulation of apoptosis. [UniProt]
Research Area	Cancer antibody; Cell Biology and Cellular Response antibody; Cell Death antibody; Immune System antibody
Calculated Mw	31 kDa
PTM	The soluble form derives from the membrane form by proteolytic processing. Isoform 2 is not efficiently shed from the membrane unlike isoform 1. N-glycosylated.

Images



ARG54369 anti-BAFF antibody IHC image

Immunohistochemistry: Human spleen stained with ARG54369 anti-BAFF antibody at 20 µg/ml dilution.



ARG54369 anti-BAFF antibody WB image

Western Blot: H:HL60; M: murine spleen tissue lysate stained with ARG54369 anti-BAFF antibody at 1 μ g/ml dilution.