

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

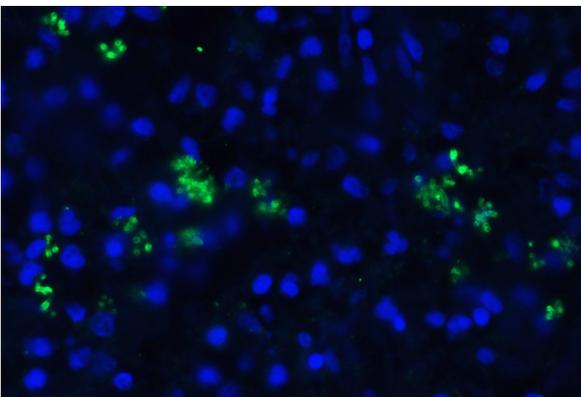
Form	Liquid
Purification	Immunoaffinity chroma-tography
Buffer	PBS (pH 7.4) and 0.02% Sodium azide
Preservative	0.02% Sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free 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.

Note For laboratory research only, not for drug, diagnostic or other 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 µg/ml dilution.

