

Rabbit BAFF Polyclonal Antibody | anti-TNFSF13B antibody

BAFF Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328928	Rabbit	Human Predicted Reactivity: Pig(86%), Bovine(86%), Horse(86%), Sheep(86%), Rabbit(80%)	ELISA, Immunocytochemistry, Immunofluorescence

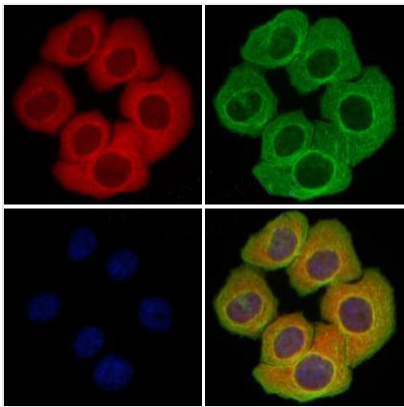
PRODUCT SYNONYMS

BAFF; Polyclonal Antibody; BAFF Antibody; ApoL related ligand TALL 1; B cell Activating Factor; B lymphocyte stimulator; B-cell-activating factor; BLyS; CD 257; CD257; CD257 antigen; Delta BAFF; Dendritic cell derived TNF like molecule; Dendritic cell-derived TNF-like molecule; DTL; DTL precursor; PRO738; soluble form; TALL 1; TALL-1; TALL1; THANK; TN13B_HUMAN; TNF and APOL related leukocyte expressed ligand 1; TNF homolog that activates apoptosis; TNF homolog that activates apoptosis NKFB and JNK.; TNF- and APOL-related leukocyte expressed ligand 1; TNFSF13B; TNFSF20; TNLG7A; Tumor necrosis factor (ligand) superfamily member 13b; Tumor necrosis factor ligand 7A; Tumor necrosis factor ligand superfamily member 13b; Tumor necrosis factor ligand superfamily member 20; Tumor necrosis factor like protein ZTNF4; Tumor necrosis factor superfamily member 13B; UNQ401; ZTNF4; anti-TNFSF13B antibody

PRODUCT SPECIFICATIONS

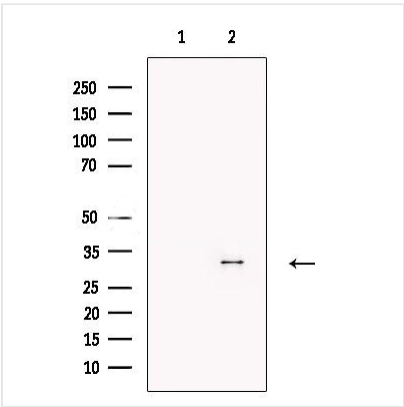
Host	Rabbit
Reactivity	Human Predicted Reactivity: Pig(86%), Bovine(86%), Horse(86%), Sheep(86%), Rabbit(80%)
Clonality	Polyclonal
Isotype	IgG
Specificity	BAFF Antibody detects endogenous levels of total BAFF.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	266
Applicable Applications for anti-TNFSF13B antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence)
Immunogen	A synthesized peptide derived from human BAFF, corresponding to a region within N-terminal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA328928 staining HeLa cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(AAA328928 1:200) and mouse anti-beta tubulin Ab(T0023 1:200) for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody. The nuclear counter stain is DAPI(blue).



WB (Western Blot)

Western blot analysis of extracts from HL60, using BAFF Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-TNFSF13B antibody

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. 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.

Post Translational Modifications: 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.

Subcellular Location: Cell membrane>Single-pass type II membrane protein. Secreted.

Tissue Specificity: Abundantly expressed in peripheral blood Leukocytes and is specifically expressed in monocytes and macrophages. Also found in the spleen, lymph node, bone marrow, T-cells and dendritic cells. A lower expression seen in placenta, heart, lung, fetal liver, thymus, and pancreas. Isoform 2 is expressed in many myeloid cell lines.

Subunit Structure: Homotrimer. Isoform 2 heteromultimerizes with isoform 1, probably limiting the amount of functional isoform 1 on the cell surface. Isoform 3 is unlikely form trimers or bind to BAFF receptors.

Similarity: Belongs to the tumor necrosis factor family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	224548983
NCBI GeneID	10673
NCBI Accession #	NP_001139117.1
NCBI GenBank Nucleotide #	NP_001139117.1
UniProt Accession #	Q9Y275
Molecular Weight	Observed Molecular Weight: (Observed)31kD. Predicted Molecular Weight: (Calculated)31kDa.

NCBI Official Full Name	tumor necrosis factor ligand superfamily member 13B isoform 2
NCBI Official Synonym Full Names	TNF superfamily member 13b
NCBI Official Symbol	TNFSF13B
NCBI Official Synonym Symbols	DTL; BAFF; BLYS; CD257; TALL1; THANK; ZTNF4; TALL-1; TNLG7A; TNFSF20
NCBI Protein Information	tumor necrosis factor ligand superfamily member 13B
UniProt Protein Name	Tumor necrosis factor ligand superfamily member 13B
UniProt Gene Name	TNFSF13B
UniProt Synonym Gene Names	BAFF; BLYS; TALL1; TNFSF20; ZTNF4; BLYS; TALL-1
UniProt Entry Name	TN13B_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/baff-antibody-immunocytochemistry-immunofluorescence-elisa/328928>