

## Anti-RNF34 Antibody

Catalog Number: A08108

### Introduction

CD3epsilon is a 20kD chain, which together with CD3lambda, CD3delta, and CD3zeta, and a T cell receptor (alpha/beta or gamma/δ) form the CD3/T-cell receptor complex. It is a specific marker for T lymphocytes, NK T cells, and some thymocytes. Crosslinking of TCR initiates an intracellular signaling cascade resulting in cellular activation and proliferation. The OKT3 antibody has been reported to have potent immunosuppressive properties in vivo and has been proved effective in the treatment of renal, heart, and liver allograft rejection.

This antibody is routinely tested by flow cytometric analysis. Flow cytometry and other applications were tested during antibody development or are reported in the literature.

### Application Information

Each lot of this antibody has been quality control tested by flow cytometric analysis of human PBMCs. For flow cytometric staining, the recommended use of this antibody is  $\leq 0.5\mu\text{g}$  per  $1 \times 10^6$  cells in  $100\mu\text{l}$  of staining volume followed by a secondary fluorescent conjugated anti-mouse antibody. However, it is strongly suggested that the antibody reactivity be empirically titrated for optimal performance in the application of interest.

### About RNF34

RNF34, also known as RING finger protein 34, RING finger protein RIFF, FYVE-RING finger protein Momo, Human RING finger homologous to inhibitor of apoptosis protein, hRFI, Caspases-8 and -10-associated RING finger protein 1, CARP-1 and Caspase regulator CARP1, is a novel modulator of NF-κB activation. RNF34 possesses E3 ubiquitin protein ligase activity and has been shown to directly and indirectly regulate the levels of p53/TP53 through ubiquitination, targeting to proteasomal degradation and degradation of SFN. Anti-RNF34 Antibody is useful for researcher interested in Immunology, p53 regulation, Transcription, and Nuclear Signaling research.

### Overview

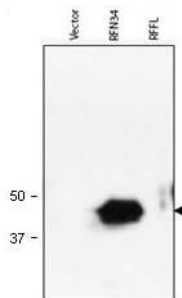
Product Name	Anti-RNF34 Antibody
Reactive Species	Human
Description	Boster Bio Anti-RNF34 Antibody (Catalog # A08108). Tested in ELISA, WB applications. This antibody reacts with Human.
Conjugate	Biotin
Application	ELISA, IF, WB
Clonality	Polyclonal
Formulation	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 0.01% (w/v) Sodium Azide
Storage Instructions	Store vial at 4°C prior to restoration. For extended storage aliquot contents and freeze at -20°C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4°C as an undiluted liquid.

	Dilute only prior to immediate use. Expiration date is one (1) year from date of opening. (Ship at ambient temperature.)
Host	Rabbit
Uniprot ID	Q969K3

## Technical Details

Immunogen	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a recombinant protein corresponding to amino acids 1-373 of human RNF34 protein.
Predicted Reactive Species	Mouse, Rat
Cross Reactivity	beta-Actin antibody is human, mouse, rat, rabbit, chicken, zebrafish and drosophila reactive.
Isotype	IgG
Form	Lyophilized
Concentration	5.0 mg/mL by UV absorbance at 280 nm
Purification	This protein A purified antibody is directed against human RNF34 protein. The product was purified from monospecific antiserum by protein A chromatography followed by exhaustive dialysis against the buffer stated above. A BLAST analysis was used to suggest cross-reactivity with RNF34 protein from orangutan (99%), bovine (91%), dog (89%), mouse (88%) and rat (85%) based on a high degree of protein:protein homology with the immunizing sequence. Expect reactivity with isoform 1 and 2 of RNF34. Reactivity against homologues from other sources is not known.
Suggested Dilutions	ELISA: 1:4,000 - 1:20,000 IF Microscopy: User optimized WB: 1:500 - 1:3,000 This protein A purified antibody has been tested for use in ELISA and western blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 42 kDa in size corresponding to RNF34 protein by western blotting in the appropriate tissue or cell lysate or extract. Isoforms 1 and 2, which are equivalent in size, should both cross-react with this antibody.

## Anti-RNF34 Antibody (A08108) Images



Western blot using Boster's Protein A Purified anti-RNF34 antibody shows detection of human RNF34 (arrowhead) in lysate. Lanes corresponding to empty vector 293T cell lysate (mock, left); RNF34 transfected lysate (middle) and RFFL transfected lysate (right), are shown using 20  $\mu$ l of lysate per lane. Lysates were prepared from equivalent numbers of cells. Data presented demonstrate that this reagent is specific for RNF34. After SDS-PAGE and transfer, the membrane was probed with the primary antibody diluted to 1:1,000 using 5% BLOTTO, 0.1% Tween-20 in PBS as the diluent. Incubation occurred for 1 h at room temperature. Personal Communication, Srinivasa Srinivasula, CCR-NCI, Bethesda, MD.

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### Anti-RNF34 Antibody

For Research Use Only. Not for use in diagnostic procedures.