

Datasheet for 600-401-Z35**BATF Antibody****Overview**

Description:	Anti-BATF (RABBIT) Antibody - 600-401-Z35
Item No.:	600-401-Z35
Size:	100 µg
Applications:	ELISA, IF, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	BATF is a nuclear basic leucine zipper protein that belongs to the AP-1/ATF superfamily of transcription factors. The leucine zipper of this protein mediates dimerization with members of the Jun family of proteins. This protein is thought to be a negative regulator of AP-1/ATF transcriptional events and blocks cellular transformation by Ras and Fos. BATF also is required for the differentiation of IL-17-producing T helper (TH17) cells, a CD4+ subset of T cells that coordinates the inflammatory response in host defense. In both T cells and B cells, BATF is required for the appropriate regulation of the class-switch recombination.
Synonyms:	BATF Antibody, SFA2, B-ATF, BATF1, SFA-2, Basic leucine zipper transcriptional factor ATF-like, B-cell-activating transcription factor
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	BATF
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-BATF antibody was prepared from whole rabbit serum produced by repeated immunizations with a 16 amino acid synthetic peptide near the N-terminus of human BATF.

Purity/Specificity: Anti-BATF Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Multiple isoforms of BATF are known to exist. Despite its predicted molecular weight, BATF often migrates at a higher than expected molecular weight.

Relevant Links:

- [UniProtKB - Q16520](#)
- [GeneID - 10538](#)
- [NCBI - NP_006390](#)

Application Details

Tested Applications: ELISA, IF, WB

Application Note: Anti-BATF Antibody has been tested for use in ELISA, Western Blotting and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 14 kDa in Western Blots of specific cell lysates and tissues.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

ELISA: 1:5,000

IF: 20 µg/mL

WB: 0.5 µg/mL

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 1 mg/mL by UV absorbance at 280 nm

Buffer: 0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2

Preservative: 0.02% (w/v) Sodium Azide

Stabilizer: None

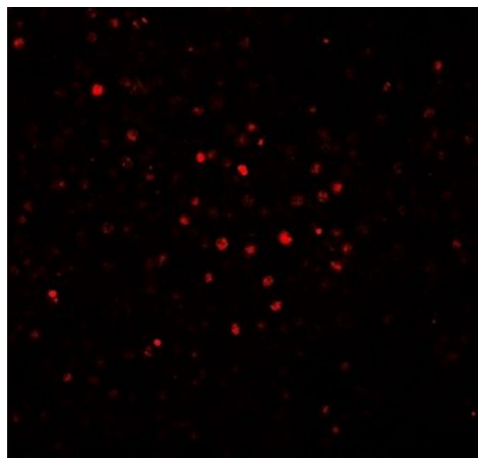
Shipping & Handling

Shipping Condition: Dry Ice

Storage Condition: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. 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: Expiration date is one (1) year from date of receipt.

Images

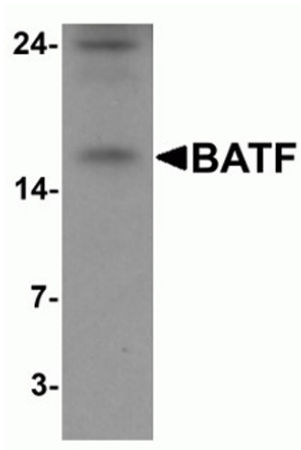


Immunofluorescence Microscopy

Immunofluorescence of BATF.

Tissue: human spleen tissue.

Primary Antibody: BATF antibody at 20 µg/mL.



Western Blot

Western blot analysis of BATF.

Load: rat spleen tissue lysate.

Primary Antibody: BATF antibody at 1 µg/mL.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.