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Datasheet for 600-401-Z35

# BATF Antibody

## Overview

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| **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

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| **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

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| **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. |

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| **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<br>• GeneID - 10538<br>• NCBI - NP_006390 |

## Application Details

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| **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

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| **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

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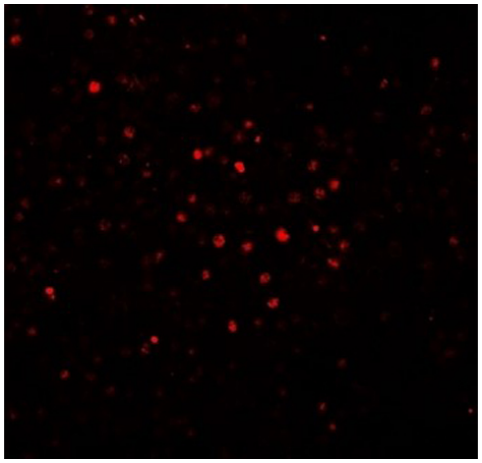
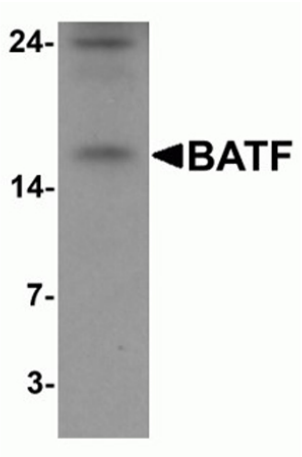
| **Shipping Condition:** | Dry Ice |
| **Storage Condition:** | Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product 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

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