

Datasheet for 600-401-Z36**BATF3 Antibody****Overview**

Description:	Anti-BATF3 (RABBIT) Antibody - 600-401-Z36
Item No.:	600-401-Z36
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	BATF3, also known as SNFT, belongs to the basic leucine zipper transcriptional family and functions as a transcriptional repressor when heterodimerizing with Jun (1) and can repress the transcription of IL-2 and MMP-1 (1,2). BATF3 is required for the development of CD8alpha+ classical dendritic cells (DCs) and the related CD103+ DCs that cross-present antigens to CD8 T cells (3,4).
Synonyms:	Basic leucine zipper transcriptional factor ATF-like 3, SNFT, JDP1, JUNDM1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	BATF3
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-BATF3 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 16 amino acid peptide near the N-terminus of human BATF3.
Purity/Specificity:	Anti-BATF3 antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. BATF3 antibody is human, mouse and rat reactive. BATF3 antibody is predicted to have no cross-reactivity to other BATF family members.

Relevant Links:	• UniProtKB - Q9NR55 • GeneID - 55509 • NCBI - NP_061134
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Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-BATF3 Antibody has been tested for use in ELISA, immunofluorescence, immunohistochemistry, and Western Blotting. Expect a band at approximately 14 kDa in Western Blots using positive control HEK293 whole cell lysate or other specific cell lysates and tissues. Specific conditions for reactivity should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000-1:20,000
IF:	20 µg/mL
IHC:	5 µg/mL
WB:	1 - 2 µg/mL

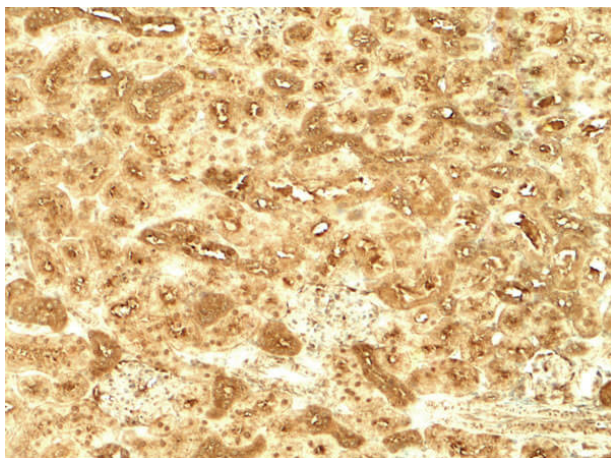
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.0 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

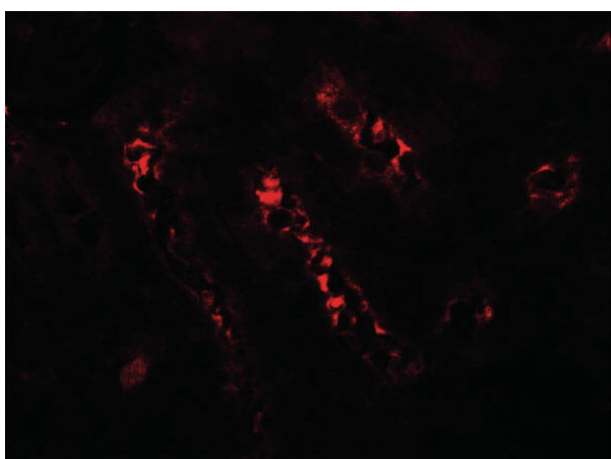
Shipping Condition:	Wet Ice
Storage Condition:	Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



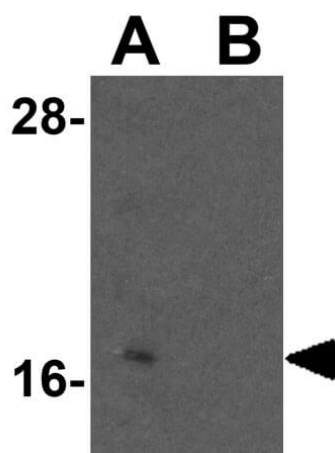
Immunohistochemistry

Immunohistochemistry of Rabbit anti-BATF3 antibody.
 Tissue: rat kidney. Primary antibody: BATF3 antibody at 5 $\mu\text{g}/\text{mL}$. Secondary antibody: Peroxidase rabbit secondary antibody at 1:5,000. Localization: BATF3 is nuclear. Staining: BATF3 as precipitated brown signal.



Immunofluorescence Microscopy

Immunofluorescence Microscopy of Rabbit anti-BATF3 antibody. Tissue: rat kidney. Primary antibody: BATF3 antibody at 20 $\mu\text{g}/\text{mL}$. Secondary antibody: Fluorescein rabbit secondary antibody at 1:20,000. Localization: BATF3 is nuclear. Staining: BATF3 as red fluorescent signal.



Western Blot

Western Blot of Rabbit anti-BATF3 antibody. Lane A: 293 cell lysate in the absence of blocking peptide. Lane B: 293 cell lysate in the presence of blocking peptide. Primary antibody: BATF3 antibody at 1 $\mu\text{g}/\text{mL}$ overnight at 4°C. Secondary antibody: Goat anti-Rabbit HRP secondary antibody. Block: 5% BLOTTO. Predicted/Observed size: 14 kDa, 17 kDa for BATF3.

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.