

Rabbit anti-Human BATF Polyclonal Antibody | anti-BATF antibody

BATF Antibody

CATALOG # AAA229736	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot, ELISA
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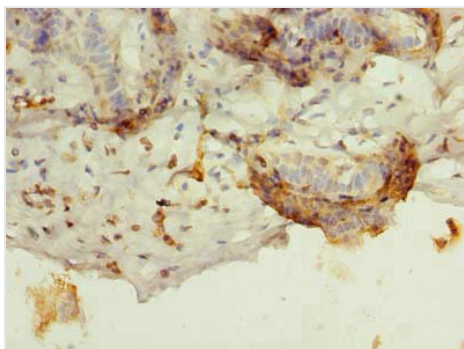
PRODUCT SYNONYMS

BATF; Polyclonal Antibody; BATF Antibody; Basic leucine zipper transcriptional factor ATF-like; B-cell-activating transcription factor; B-ATF; SF-HT-activated gene 2 protein; SFA-2; anti-BATF antibody

PRODUCT SPECIFICATIONS

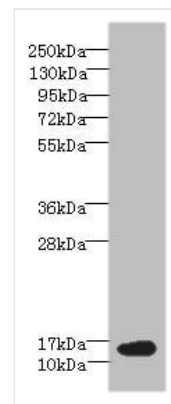
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purified
Form/Format	Liquid
Sequence Length	125
Applicable Applications for anti-BATF antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant human Basic leucine zipper transcriptional factor ATF-like protein
Conjugation	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300; Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-15280
Preparation and Storage	Shipped at 4 degree C. Upon delivery, aliquot and store at -20 degree C or -80 degree C.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human breast cancer using AAA229736 at dilution of 1:100



WB (Western Blot)

Western blotAll lanes: BATF antibody at 6ug/ml+ NIH/3T3 whole cell lysateGoat polyclonal to rabbit at 1/10000 dilutionPredicted band size: 14 kDaObserved band size: 14 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-BATF antibody	AP-1 family transcription factor that controls the differentiation of lineage-specific cells in the immune system: specifically mediates the differentiation of T-helper 17 cells (Th17), follicular T-helper cells (Tfh), CD8(+) dendritic cells and class-switch recombination (CSR) in B-cells. Acts via the formation of a heterodimer with JUNB that recognizes and binds DNA sequence 5'-TGA[CG]TCA-3'. The BATF-JUNB heterodimer also forms a complex with IRF4 (or IRF8) in immune cells, leading to recognition of AICE sequence (5'-TGAnTCA/GAAA-3'), an immune-specific regulatory element, followed by cooperative binding of BATF and IRF4 (or IRF8) and activation of genes. Controls differentiation of T-helper cells producing interleukin-17 (Th17 cells) by binding to Th17-associated gene promoters: regulates expression of the transcription factor RORC itself and RORC target genes such as IL17 (IL17A or IL17B). Also involved in differentiation of follicular T-helper cells (Tfh) by directing expression of BCL6 and MAF. In B-cells, involved in class-switch recombination (CSR) by controlling the expression of both AICDA and of germline transcripts of the intervening heavy-chain region and constant heavy-chain region (I(H)-C(H)). Following infection, can participate in CD8(+) dendritic cell differentiation via interaction with IRF4 and IRF8 to mediate cooperative gene activation. Regulates effector CD8(+) T-cell differentiation by regulating expression of SIRT1. Following DNA damage, part of a differentiation checkpoint that limits self-renewal of hematopoietic stem cells (HSCs): up-regulated by STAT3, leading to differentiation of HSCs, thereby restricting self-renewal of HSCs (By similarity).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	5453563
NCBI GeneID	10538
NCBI Accession #	NP_006390.1
NCBI GenBank Nucleotide #	NM_006399.3
UniProt Accession #	Q16520
Molecular Weight	14,120 Da
NCBI Official Full Name	basic leucine zipper transcriptional factor ATF-like
NCBI Official Synonym Full Names	basic leucine zipper ATF-like transcription factor
NCBI Official Symbol	BATF
NCBI Official Synonym Symbols	SFA2; B-ATF; BATF1; SFA-2
NCBI Protein Information	basic leucine zipper transcriptional factor ATF-like
UniProt Protein Name	Basic leucine zipper transcriptional factor ATF-like
UniProt Gene Name	BATF
UniProt Synonym Gene Names	B-ATF; SFA-2
UniProt Entry Name	BATF_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.