À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-BATF

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Antibodies | ELISA kits | Proteins
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Numéro de catalogue:13507-1-AP 2 Publications

Informations de base

Numéro de catalogue:
13507-1-AP

Taille:
150ul , Concentration: 350 μg/ml by Nanodrop and 180 μg/ml by Bradford method using BSA as the standard;

Hôte:
Lapin

Isotype:
IgG

Immunogen Catalog Number:
AG4418

Numéro d'acquisition GenBank:
BC032294

Identification du gène (NCBI):
10538

Nom complet:
basic leucine zipper transcription factor, ATF-like

MW calculé
125 aa, 14 kDa

Méthode de purification:
Purification par affinité contre l'antigène

Dilutions recommandées:
IF 1:200-1:800

Applications

Applications testées:
IF, ELISA

Demandes citées:
WB

Spécificité de l'espèce:
Humain, rat, souris

Espèces citées:
rat, souris

Contrôles positifs:

IF : cellules HepG2,

Informations générales

basic leucine zipper transcription factor (BATF), also named B-cell-activating transcription factor, SF-HT-activated gene 2 protein. 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 to 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. The molecular mass of BATF is 14kd.

Publications notables

Autrice	Pubmed ID	Journal	Application
Tao Yang	33340526	Life Sci	WB
Ma Libing L	23327998	Regul Pept	WB

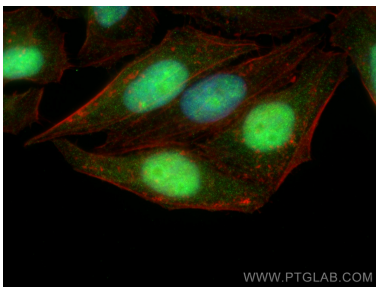
Stockage

Stockage:
Stocker à -20°C. Stable pendant un an après l'expédition.
Tampon de stockage:
PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3
L'aliquotage n'est pas nécessaire pour le stockage à -20C

***** Les 20ul contiennent 0,1% de BSA.**

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

Données de validation sélectionnées



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using BATF antibody (13507-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).