

À des fins de recherche uniquement

# Anticorps Monoclonal anti-ATF4

Numéro de catalogue: CL594-60035

1 Publications



## Informations de base

|                                                                                                                              |                                                                                                |                                                                   |
|------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|
| <b>Numéro de catalogue:</b><br>CL594-60035                                                                                   | <b>Numéro d'acquisition GenBank:</b><br>BC022088                                               | <b>Méthode de purification:</b><br>Purification par protéine G    |
| <b>Taille:</b><br>100ul , Concentration: 1000 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard; | <b>Identification du gène (NCBI):</b><br>468                                                   | <b>CloneNo.:</b><br>3E4C5                                         |
| <b>Hôte:</b><br>Mouse                                                                                                        | <b>Nom complet:</b><br>activating transcription factor 4 (tax-responsive enhancer element B67) | <b>Excitation/Emission maxima wavelengths:</b><br>588 nm / 604 nm |
| <b>Isotype:</b><br>IgG1                                                                                                      | <b>MW calculé</b><br>39 kDa                                                                    |                                                                   |
| <b>Immunogen Catalog Number:</b><br>AG1279                                                                                   |                                                                                                |                                                                   |

## Applications

**Applications testées:**  
FC (Intra)

**Demandes citées:**  
WB

**Spécificité de l'espèce:**  
Humain

**Espèces citées:**  
souris

## Informations générales

ATF4 is a transcription factor, that accumulates predominantly in osteoblasts, where it regulates terminal osteoblast differentiation and bone formation. As a basic leucine-zipper (bZip) transcription factor, ATF4 can regulate amino acid metabolism, cellular redox state, and anti-stress responses. It also regulates age-related and diet-induced obesity and glucose homeostasis in mammals, and has conserved metabolic functions in flies. Due to its location at chromosome 22q13, a region linked to schizophrenia, ATF4 is considered as a positional candidate gene for schizophrenia. Otherwise, since ATF4 is induced by tumour microenvironmental factors, and regulates processes relevant to cancer progression, it might serve as a potential therapeutic target in cancer. This antibody is a mouse monoclonal antibody raised against full length human ATF4 antigen. This antibody is conjugated with CL594, Ex/Em 593 nm/614 nm.

## Publications notables

| Autrice      | Pubmed ID | Journal       | Application |
|--------------|-----------|---------------|-------------|
| Zhixiong Liu | 35143418  | J Clin Invest | WB          |

## Stockage

**Stockage:**  
Stocker à -20°C. Éviter toute exposition à la lumière. Stable pendant un an après l'expédition.

**Tampon de stockage:**  
PBS avec glycérol à 50 %, Proclin300 à 0,05 % et BSA à 0,5 %, pH 7,3.

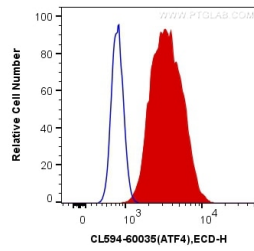
L'aliquotage n'est pas nécessaire pour le stockage à -20C

\*\*\* 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

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Données de validation sélectionnées



1X10<sup>6</sup> HeLa cells were intracellularly stained with 0.2 ug Coralite®594 Anti-Human ATF4 (CL594-60035, Clone:3E4C5) (red), or 0.2 ug Mouse IgG1 Isotype Control (CL594-66360, Clone: T1F8D3F10) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).