


Product datasheet

Anti-ATF1 (phospho S63) antibody [EP1591(2)Y] α b76085

RabMAb

★★★★★ [1 Abreviews](#) [8 References](#) [2 Images](#)

Overview

Product name	Anti-ATF1 (phospho S63) antibody [EP1591(2)Y]
Description	Rabbit monoclonal [EP1591(2)Y] to ATF1 (phospho S63)
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P Unsuitable for: Flow Cyt or IP
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: HeLa whole cell lysate (ab150035) IHC-P: human breast carcinoma tissue
General notes	Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents . The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
Storage buffer	pH: 7.20 Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant
Purity	Tissue culture supernatant
Clonality	Monoclonal

Clone number EP1591(2)Y
Isotype IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab76085 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★★★★★ (1)	1/50000 - 1/100000. Predicted molecular weight: 29 kDa.
IHC-P		1/100 - 1/250.

Application notes Is unsuitable for Flow Cyt or IP.

Target

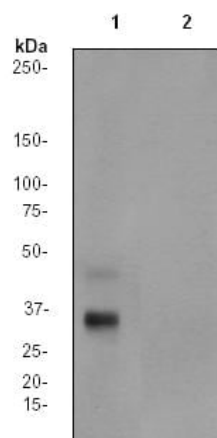
Function This protein binds the cAMP response element (CRE) (consensus: 5'-GTGACGT[AC][AG]-3'), a sequence present in many viral and cellular promoters. Binds to the Tax-responsive element (TRE) of HTLV-I. Mediates PKA-induced stimulation of CRE-reporter genes.

Involvement in disease Defects in ATF1 may be a cause of angiomatoid fibrous histiocyteoma (AFH) [MIM:612160]. A distinct variant of malignant fibrous histiocyteoma that typically occurs in children and adolescents and is manifest by nodular subcutaneous growth. Characteristic microscopic features include lobulated sheets of histiocyte-like cells intimately associated with areas of hemorrhage and cystic pseudovascular spaces, as well as a striking cuffing of inflammatory cells, mimicking a lymph node metastasis. Note=Chromosomal aberrations involving ATF1 are found in patients with angiomatoid fibrous histiocyteoma. Translocation t(12;16)(q13;p11.2) with FUS generates a chimeric ATF1/FUS protein. Translocation t(12;22)(q13;q12) with EWSR1 generates a chimeric ATF1/EWSR1 protein.

Sequence similarities Belongs to the bZIP family. ATF subfamily.
Contains 1 bZIP domain.
Contains 1 KID (kinase-inducible) domain.

Cellular localization Nucleus.

Images



Western blot - Anti-ATF1 (phospho S63) antibody [EP1591(2)Y] (ab76085)

All lanes : Anti-ATF1 (phospho S63) antibody [EP1591(2)Y] (ab76085) at 1/100000 dilution

Lane 1 : HeLa cell lysate untreated

Lane 2 : HeLa cell lysate, treated with Lambda Phosphatase

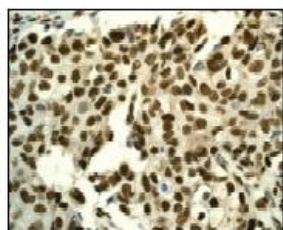
Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat anti rabbit HRP labelled IgG at 1/2000 dilution

Predicted band size: 29 kDa

Observed band size: 29 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ATF1 (phospho S63) antibody [EP1591(2)Y] (ab76085)

Immunohistochemical analysis of ATF1 in paraffin embedded human breast carcinoma tissue, using ab76085 at a 1/100 dilution.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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