

Product datasheet

Anti-ATF2 antibody ab31483

★★★★★ [1 Abreviews](#) [2 Images](#)

Overview

Product name	Anti-ATF2 antibody
Description	Rabbit polyclonal to ATF2
Host species	Rabbit
Specificity	This antibody detects endogenous levels of ATF2 protein around Threonine 73 or 55.
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide around the phosphorylation site of Threonine 73 or 55 (Human)
General notes	<p>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.</p> <p>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</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: PBS, 50% Glycerol (glycerin, glycerine), 0.87% Sodium chloride Without Mg ²⁺ and Ca ²⁺
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab31483 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)	1/500 - 1/1000. Detects a band of approximately 50 kDa (predicted molecular weight: 54 kDa).
IHC-P		Use at an assay dependent concentration.

Target

Function

Transcriptional activator, probably constitutive, which binds to the cAMP-responsive element (CRE) (consensus: 5'-GTGACGT[AC][AG]-3'), a sequence present in many viral and cellular promoters. Interaction with JUN redirects JUN to bind to CRES preferentially over the 12-O-tetradecanoylphorbol-13-acetate response elements (TRES) as part of an ATF2/JUN complex.

Tissue specificity

Abundant expression seen in the brain.

Sequence similarities

Belongs to the bZIP family. ATF subfamily.
Contains 1 bZIP domain.
Contains 1 C2H2-type zinc finger.

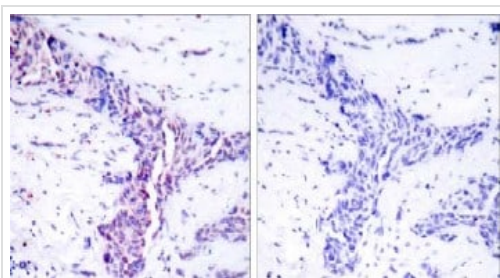
Post-translational modifications

Phosphorylation of Thr-69 and Thr-71 by MAPK14 causes increased transcriptional activity. Also phosphorylated and activated by JNK.

Cellular localization

Nucleus.

Images

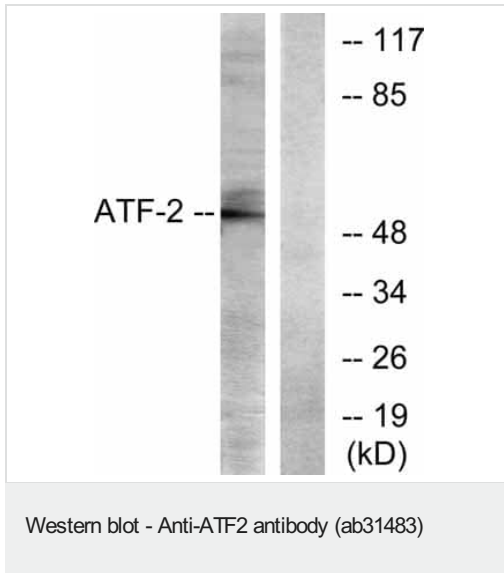


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ATF2 antibody (ab31483)

Ab31483, at a dilution of 1/50, staining ATF2 in paraffin embedded breast carcinoma tissue by immunohistochemistry.

Left image: Using ab31483.

Right image: The same antibody preincubated with synthesized peptide.



All lanes : Anti-ATF2 antibody (ab31483) at 1/500 dilution

Lane 1 : Extracts from LOVO cells (5-30ug) treated with ab31483.

Lane 2 : Extracts from LOVO cells (5-30ug) treated using the same antibody preincubated with synthesized peptide.

Secondary

All lanes : goat-anti-rabbit IgG-AP-conjugate.

Predicted band size: 54 kDa

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

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