

### Anti-ATF2 antibody ab47476

★★★★★ [1 Abreviews](#) [12 References](#) [2 Images](#)

#### Overview

<b>Product name</b>	Anti-ATF2 antibody
<b>Description</b>	Rabbit polyclonal to ATF2
<b>Host species</b>	Rabbit
<b>Specificity</b>	ATF2 antibody detects endogenous levels of ATF2 protein around Threonine 71 or 53.
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Synthetic peptide corresponding to Human ATF2 aa 38-87. Database link: <a href="#">P15336</a>
<b>Positive control</b>	WB: Extracts from HeLa cells. IHC-P: Human breast carcinoma.
<b>General notes</b>	<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&amp;As</p>

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
<b>Storage buffer</b>	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: PBS, 50% Glycerol (glycerin, glycerine), 0.87% Sodium chloride
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

#### Applications

**The Abpromise guarantee** Our [Abpromise guarantee](#) covers the use of ab47476 in the following tested applications.

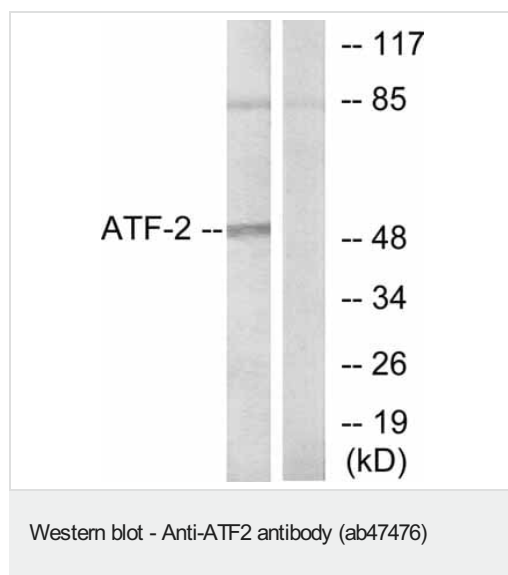
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★★★★★ (1)	1/500 - 1/1000. Predicted molecular weight: 52 kDa.
IHC-P		Use at an assay dependent concentration.

## Target

<b>Function</b>	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.
<b>Tissue specificity</b>	Abundant expression seen in the brain.
<b>Sequence similarities</b>	Belongs to the bZIP family. ATF subfamily. Contains 1 bZIP domain. Contains 1 C2H2-type zinc finger.
<b>Post-translational modifications</b>	Phosphorylation of Thr-69 and Thr-71 by MAPK14 causes increased transcriptional activity. Also phosphorylated and activated by JNK.
<b>Cellular localization</b>	Nucleus.

## Images



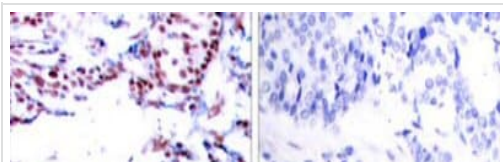
**All lanes :** Anti-ATF2 antibody (ab47476) at 1/500 dilution

**Lane 1 :** extracts from HeLa cells.

**Lane 2 :** extracts from HeLa cells preincubated with immunizing peptide

**Predicted band size:** 52 kDa

**Observed band size:** 52 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ATF2 antibody (ab47476)

Immunohistochemical analysis of paraffin-embedded human breast carcinoma. Left: Using ATF2 antibody; Right: The same antibody preincubated with synthesized peptide.

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

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