


Anti-ATF2 (phospho T52) antibody ab183464

Overview

Product name	Anti-ATF2 (phospho T52) antibody
Description	Rabbit polyclonal to ATF2 (phospho T52)
Host species	Rabbit
Specificity	ab183464 is specific for the ~72kDa ATF2 protein phosphorylated at Thr52. Immunolabeling of the ATF2 band is reduced by treatment of the cells with the PKC catalytic inhibitor Gö6850.
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat, Chicken, Cow, Xenopus laevis, Non human primates, Xenopus tropicalis 
Immunogen	Synthetic peptide corresponding to Human ATF2 (phospho T52). Database link: P15336
Positive control	UACC903 melanoma cell line lysate (DMSO).
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. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.50 Constituents: 0.24% HEPES, 0.88% Sodium chloride, 0.01% BSA, 50% Glycerol
Purity	Immunogen affinity purified
Purification notes	ab183464 was prepared from rabbit serum by affinity purification via sequential chromatography on phospho and dephosphopeptide affinity columns.
Clonality	Polyclonal

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab183464 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		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.

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

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