




Product datasheet

Anti-ATF-4 antibody [N360A/24] ab186284

[2 Images](#)

Overview

Product name	Anti-ATF-4 antibody [N360A/24]
Description	Mouse monoclonal [N360A/24] to ATF-4
Host species	Mouse
Specificity	ab186284 has <50% identity with ATF5, it does not cross-react with this protein.
Tested applications	Suitable for: IHC-Fr, WB, IHC-P, ICC/IF
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Recombinant fragment corresponding to Human ATF-4 aa 25-327. Sequence: LGAEESLGLLDDYLEVAKHFKPHGFSSDKAKAGSSEWLA VDGLVSPSNNS KEDAFSGTDWMLEKMDLKEFDLDALLGIDDLETMPDDL TTLDDTCDLFA PLVQETNKQPPQTVNPIGHLPELTKPDQVAPFTFLQPLP LSPGVLSSSTP DHSFSLELGSEVDITEGDRKPDYTAYVAMIPQCIKEEDTPS DNDSGICMS PESYLGSPQHSPSTRGSPNRSPLSPGVLCGSARPKPYDP PGEKMVAAKVK GEKLDKCLKKMEQNKTAATRYRQKKRAEQEALTGECKEL EKKNEALKERA DSL Database link: P18848 <div style="display: flex; justify-content: space-around;">  Run BLAST with  Run BLAST with </div>
Positive control	WB: Rat brain lysate. ICC/IF: SK-N-BE cells.
General notes	The clone number has been updated from S360A-24 to N360A/24, both clone numbers name the same antibody clone. Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough. Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility. We are also planning to innovate the way in which we present recommended applications and

species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.

In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.

We are also updating the applications & species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.

Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.

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, as well as customer reviews and Q&As.

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	Preservative: 0.09% Sodium azide Constituents: PBS, 50% Glycerol (glycerin, glycerine)
Purity	Protein G purified
Clonality	Monoclonal
Clone number	N360A/24
Isotype	IgG2a

Applications

Our [Abpromise guarantee](#) covers the use of **ab186284** 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
IHC-Fr		Use at an assay dependent concentration.
WB		1/1000. Detects a band of approximately 60 kDa (predicted molecular weight: 39 kDa).
IHC-P		Use at an assay dependent concentration.
ICC/IF		Use at an assay dependent concentration.

Target

Function	Transcriptional activator. Binds the cAMP response element (CRE) (consensus: 5'-GTGACGT[AC][AG]-3'), a sequence present in many viral and cellular promoters. It binds to a
-----------------	---

Tax-responsive enhancer element in the long terminal repeat of HTLV-I.

Sequence similarities

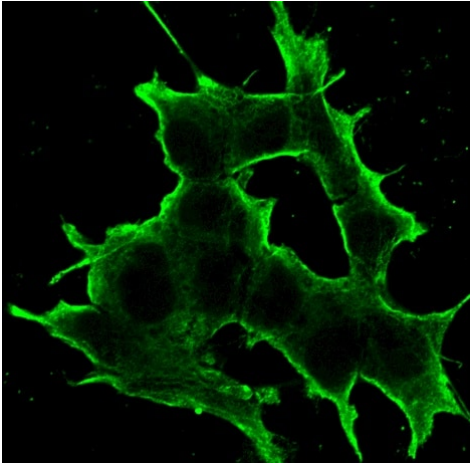
Belongs to the bZIP family.

Contains 1 bZIP domain.

Cellular localization

Cytoplasm. Cell membrane. Nucleus. Colocalizes with GABBR1 in hippocampal neuron dendritic membranes.

Images

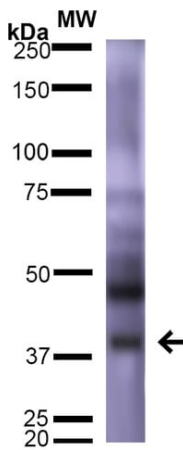


Immunocytochemistry/ Immunofluorescence - Anti-ATF-4 antibody [N360A/24] (ab186284)

SK-N-BE (Human neuroblastoma cell line) cells stained for ATF-4 (Green) using ab186284 at a 1/100 dilution (1 hour at RT) in ICC/IF.

Cells were fixed in 4% formaldehyde for 15 minutes at RT.

Secondary Antibody: Goat Anti-Mouse ATTO 488 at 1:100 for 1 hour at RT.



Western blot - Anti-ATF-4 antibody [N360A/24] (ab186284)

Anti-ATF-4 antibody [N360A/24] (ab186284) at 1/2000 dilution + Rat brain lysate at 15 µg

Secondary

Goat Anti-Mouse IgG: HRP at 1/2000 dilution

Developed using the ECL technique.

Predicted band size: 39 kDa

Exposure time: 5 minutes

Block: 5% Skimmed milk in 1X TBST.

Primary antibody incubated for 2 hours at RT.

Secondary antibody incubated for 1 hour at RT.

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors