

Product datasheet

Human ATF2 peptide ab22789

Overview

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**Product name** Human ATF2 peptide

Description

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**Nature** Synthetic

**Amino Acid Sequence**

**Species** Human

**Sequence** C-VMAPSSQSQPSGS

**Amino acids** 492 to 505

Specifications

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Our [Abpromise guarantee](#) covers the use of **ab22789** in the following tested applications.

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

**Applications** Blocking - Blocking peptide for Anti-ATF2 antibody ([ab809](#))

**Form** Liquid

Preparation and Storage

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**Stability and Storage** Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

General Info

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**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.

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|---|---|
| <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.  |

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