


Product datasheet

Anti-ATF2 (phospho S94) antibody ab28814

1 Image

Overview

Product name	Anti-ATF2 (phospho S94) antibody
Description	Rabbit polyclonal to ATF2 (phospho S94)
Specificity	ab28814 recognises Phospho-ATF-2(Ser94).
Tested applications	Suitable for: IHC-P, IP, ELISA
Species reactivity	Reacts with: Human Predicted to work with: Mouse 
Immunogen	Synthetic phospho-peptide derived from human ATF-2 around the phosphorylation site of Serine 94.
Positive control	Breast carcinoma

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.
Storage buffer	Phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity	Immunogen affinity purified
Purification notes	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab28814** in the following tested applications.

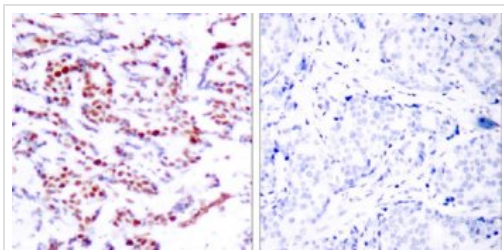
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use at an assay dependent concentration.
IP		Use at an assay dependent concentration.
ELISA		1/20000.

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 (Paraffin-embedded sections)
- ATF2 (phospho S94) antibody (ab28814)

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