

## ATF2 (phospho-S498) polyclonal antibody

Catalog: BS4654

Host: Rabbit

Reactivity: Human, Mouse

### BackGround:

The transcription factor ATF-2 (also called CRE-BP1) binds to both AP-1 and CRE DNA response elements and is a member of the ATF/CREB family of leucine zipper proteins. ATF-2 interacts with a variety of viral oncoproteins and cellular tumor suppressors and is a target of the SAPK/JNK and p38 MAP kinase signaling pathways. Various forms of cellular stress, including genotoxic agents, inflammatory cytokines and UV irradiation, stimulate the transcriptional activity of ATF-2. Cellular stress activates ATF-2 by phosphorylation of Thr69 and Thr71. Both SAPK and p38 MAPK have been shown to phosphorylate ATF-2 at these sites in vitro and in cells transfected with ATF-2.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

~ 55 to 75 kDa

### Swiss-Prot:

P15336

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

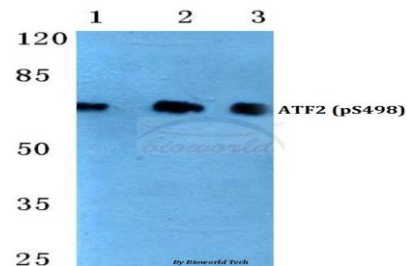
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

p-ATF2 (S498) polyclonal antibody detects endogenous levels of ATF2 protein only when phosphorylated at Ser498.

### DATA:

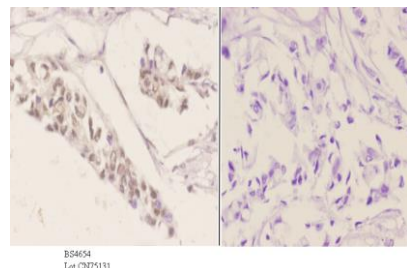


Western blot (WB) analysis of p-ATF2 (S480) polyclonal antibody at 1:500 dilution

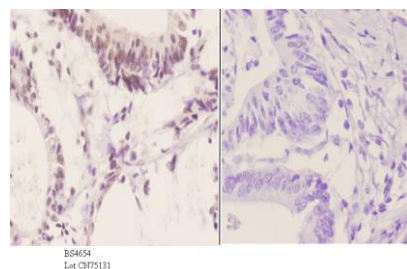
Lane1:Hela cell lysate treated with UV(4h)

Lane2:sp2/0 cell lysate treated with UV(4h)

Lane3:MCF-7 cell lysate treated with UV(4h)



Immunohistochemistry (IHC) analyzes of p-ATF2 (S498) pAb in paraffin-embedded human breast carcinoma tissue at 1:50. showing nucleus staining. Negative control (the right) Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.



Immunohistochemistry (IHC) analyzes of p-ATF2 (S498) pAb in paraffin-embedded human colon carcinoma tissue at 1:50. showing nucleus staining. Negative control (the right) Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by

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## PRODUCT DATA SHEET

Bioworld Technology, Inc.

avidin-peroxidase.

For research use only, not for use in diagnostic procedure.

Note:

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