

## PRODUCT DATA SHEET



Bioworld Technology, Inc.

### ATF-3 (N159) pAb

Cat No.: BS2261

Host: Rabbit

Reactivity: Human, Mouse, Rat

#### BACKGROUND

Activating transcription factor 3 is a member of the mammalian activation transcription factor/cAMP responsive element-binding (CREB) protein family of transcription factors. It encodes a protein with a calculated molecular mass of 22 kD. ATF3 represses rather than activates transcription from promoters with ATF binding elements. An alternatively spliced form of ATF3 (ATF3 delta Zip) encodes a truncated form ATF3 protein lacking the leucine zipper protein-dimerization motif and does not bind to DNA. In contrast to ATF3, ATF3 delta Zip stimulates transcription presumably by sequestering inhibitory co-factors away from the promoter. It is possible that alternative splicing of the ATF3 gene may be physiologically important in the regulation of target genes. Three transcript variants encoding two different isoforms have been found for this gene.

#### PRODUCT

1 mg/ml in Phosphate buffered saline (PBS) with 0.05

#### Molecular Weight

~21.0 kDa

#### 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 (Recommended Dilutions)

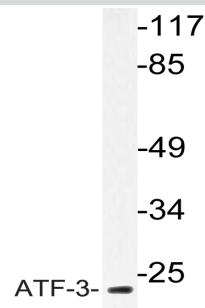
#### STORAGE & STABILITY

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

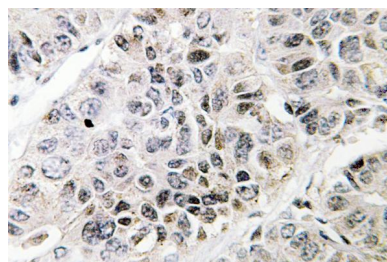
#### SPECIFICITY

ATF-3 (N159) pAb detects endogenous levels of ATF-3 protein.

#### DATA



Western blot (WB) analysis of ATF-3 (N159) pAb in extracts from RAW264.7 cells.



Immunohistochemistry (IHC) analyzes of ATF-3 (N159) pAb in paraffin-embedded human lung carcinoma tissue.

#### RESEARCH USE

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

Bioworld Technology, Inc.

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