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**Product Name: ATF3 Mouse Monoclonal Antibody****Catalog #: AMM81545**

For research use only.

**Summary**

|                      |   |
|----------------------|---|
| <b>Description</b>   | Mouse monoclonal Antibody   |
| <b>Host</b>          | Mouse   |
| <b>Application</b>   | ICC,ELISA,FC  |
| <b>Reactivity</b>    | Human   |
| <b>Conjugation</b>   | Unconjugated  |
| <b>Modification</b>  | Unmodified  |
| <b>Isotype</b>       | Mouse IgG1  |
| <b>Clonality</b>     | Monoclonal  |
| <b>Form</b>          | Liquid  |
| <b>Concentration</b> | 1mg/ml  |
| <b>Storage</b>       | Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles. |
| <b>Shipping</b>      | Ice bags  |
| <b>Buffer</b>        | Purified antibody in PBS with 0.05% sodium azide                            |
| <b>Purification</b>  | Affinity Purification   |

**Application**

|                         |  |
|-------------------------|--|
| <b>Dilution Ratio</b>   | ICC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400 |
| <b>Molecular Weight</b> | 20.6kDa  |

**Antigen Information**

|                          |   |
|--------------------------|---|
| <b>Gene Name</b>         | ATF3  |
| <b>Alternative Names</b> | ATF3  |
| <b>Gene ID</b>           | 467.0   |
| <b>SwissProt ID</b>      | P18847  |
| <b>Immunogen</b>         | Purified recombinant fragment of human ATF3 (AA: 1-181) expressed in E. Coli. |

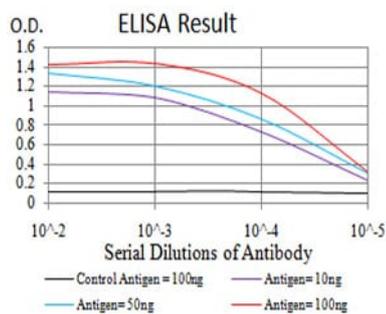
**Background**

This gene encodes a member of the mammalian activation transcription factor/cAMP responsive element-binding (CREB) protein family of transcription factors. This gene is induced by a variety of signals, including many of those encountered by cancer cells, and is involved in the complex process of cellular stress response. Multiple transcript variants encoding different

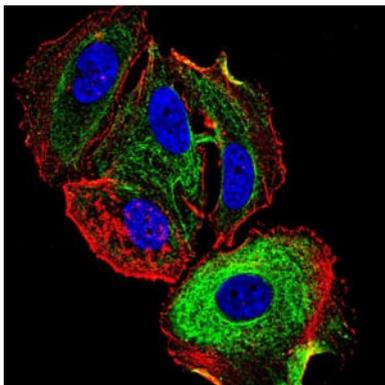
isoforms have been found for this gene. It is possible that alternative splicing of this gene may be physiologically important in the regulation of target genes.

## Research Area

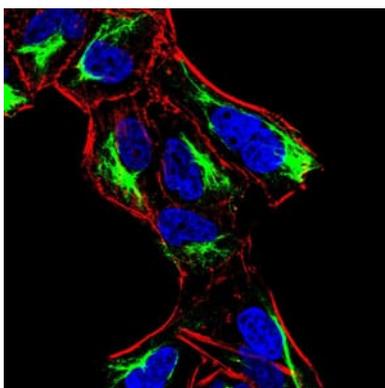
## Image Data



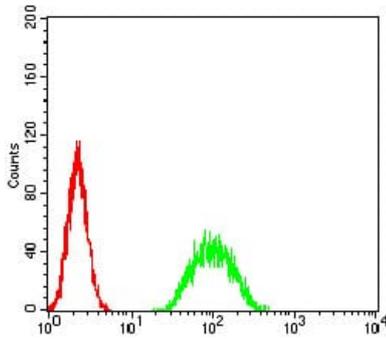
Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);



Immunofluorescence analysis of MCF-7 cells using ATF3 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin.



Immunofluorescence analysis of HeLa cells using ATF3 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin.



Flow cytometric analysis of A549 cells using ATF3 mouse mAb (green) and negative control (red).