

## Rabbit ATF4 Polyclonal Antibody | anti-ATF4 antibody

Anti-ATF4 (pS245) Phospho Antibody

|                               |                       |                                        |                                                           |
|-------------------------------|-----------------------|----------------------------------------|-----------------------------------------------------------|
| CATALOG #<br><b>AAA259659</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------------------|-----------------------------------------------------------|

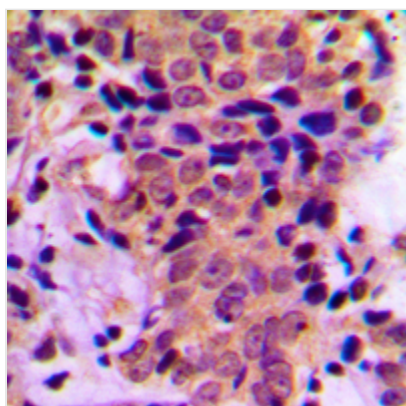
### PRODUCT SYNONYMS

ATF4; Polyclonal Antibody; Anti-ATF4 (pS245) Phospho Antibody; CREB2; TXREB; Cyclic AMP-dependent transcription factor ATF-4; cAMP-dependent transcription factor ATF-4; Activating transcription factor 4; Cyclic AMP-responsive element-binding protein 2; CREB-2; cAMP-responsive element-binding protein 2; DNA-binding protein TAXREB67; Tax-responsive enhancer element-binding protein 67; TaxREB67; anti-ATF4 antibody

### PRODUCT SPECIFICATIONS

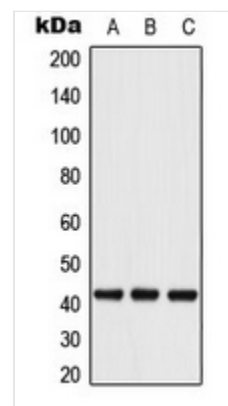
|                                                |                                                                                                                                     |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                              |
| Reactivity                                     | Human, Mouse, Rat                                                                                                                   |
| Clonality                                      | Polyclonal                                                                                                                          |
| Specificity                                    | Recognizes endogenous levels of ATF4 (pS245) protein.                                                                               |
| Purity/Purification                            | The antibody was purified by immunogen affinity chromatography.                                                                     |
| Form/Format                                    | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.                           |
| Sequence Length                                | 351                                                                                                                                 |
| Applicable Applications for anti-ATF4 antibody | IHC (Immunohistochemistry), WB (Western Blot)                                                                                       |
| Immunogen                                      | KLH-conjugated synthetic peptide encompassing a sequence within the center region of human ATF4. The exact sequence is proprietary. |
| Preparation and Storage                        | Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.                      |

### IMAGES



#### IHC (Immunohistochemistry)

Immunohistochemical analysis of ATF4 (pS245) staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



#### WB (Western Blot)

Western blot analysis of ATF4 (pS245) expression in MCF7 (A), mouse heart (B), rat heart (C) whole cell lysates.

ADDITIONAL INFORMATION

|                                                    |                                            |
|----------------------------------------------------|--------------------------------------------|
| Related Product Information for anti-ATF4 antibody | Rabbit polyclonal antibody to ATF4 (pS245) |
|----------------------------------------------------|--------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                      |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 33469976                                                                                                             |
| NCBI GeneID                      | 468                                                                                                                  |
| NCBI Accession #                 | NP_001666.2                                                                                                          |
| NCBI GenBank Nucleotide #        | NM_001675.4                                                                                                          |
| UniProt Accession #              | P18848; Q9UH31                                                                                                       |
| Molecular Weight                 | 38,590 Da                                                                                                            |
| NCBI Official Full Name          | cyclic AMP-dependent transcription factor ATF-4                                                                      |
| NCBI Official Synonym Full Names | activating transcription factor 4                                                                                    |
| NCBI Official Symbol             | ATF4                                                                                                                 |
| NCBI Official Synonym Symbols    | CREB2; TXREB; CREB-2; TAXREB67                                                                                       |
| NCBI Protein Information         | cyclic AMP-dependent transcription factor ATF-4                                                                      |
| UniProt Protein Name             | Cyclic AMP-dependent transcription factor ATF-4                                                                      |
| UniProt Gene Name                | ATF4                                                                                                                 |
| UniProt Synonym Gene Names       | CREB2; TXREB; cAMP-dependent transcription factor ATF-4; CREB-2; cAMP-responsive element-binding protein 2; TaxREB67 |
| UniProt Entry Name               | ATF4_HUMAN                                                                                                           |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/polyclonal/atf4-antibody-immunohistochemistry-western-blot-elisa/259659>