

## Rabbit ATF4 Polyclonal Antibody | anti-ATF4 antibody

ATF4 (Phospho-Ser245)

|                              |                       |                                                                       |
|------------------------------|-----------------------|-----------------------------------------------------------------------|
| CATALOG #<br><b>AAA47832</b> | HOST<br><b>Rabbit</b> | APPLICATIONS<br><b>Immunohistochemistry, Immunoblot, Western Blot</b> |
|------------------------------|-----------------------|-----------------------------------------------------------------------|

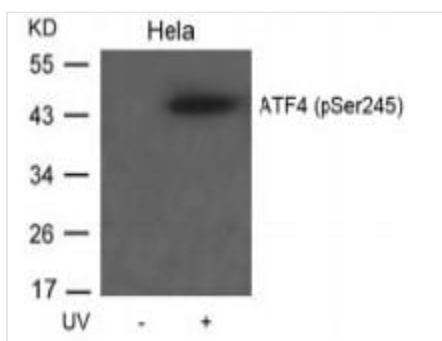
### PRODUCT SYNONYMS

ATF4; Polyclonal Antibody; ATF4 (Phospho-Ser245); anti-ATF4 antibody

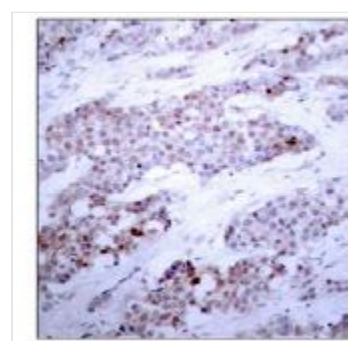
### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                                                                                                       |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                                                                                                |
| Clonality                                      | Polyclonal                                                                                                                                                                                                                                            |
| Specificity                                    | This antibody detects endogenous human ATF4 only when phosphorylated at serine 245.                                                                                                                                                                   |
| Form/Format                                    | 100ul at 1.0mg/ml in PBS (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Affinity-purified on phosphopeptide; non-phosphopeptide- reactive antibodies were removed by chromatography on non-phosphorylated peptide. |
| Sequence Length                                | 351                                                                                                                                                                                                                                                   |
| Applicable Applications for anti-ATF4 antibody | IHC (Immunohistochemistry), IB (Immunoblot)                                                                                                                                                                                                           |
| Antigen                                        | Peptide sequence that includes phosphorylation sites of serine 245 (N-R-S(p)-L-P) derived from human ATF4 and conjugated to KLH.                                                                                                                      |
| Preparation and Storage                        | This antibody is stable for at least one (1) year at -20 degree C. Can be stored at 4 degree C for short-term use.                                                                                                                                    |

### IMAGES



Application Data



IHC (Immunohistochemistry)

### ADDITIONAL INFORMATION

#### Related Product Information for anti-ATF4 antibody

ATF4 encodes a transcription factor that was originally identified as a widely expressed mammalian DNA-binding protein that could bind a tax-responsive enhancer element in the LTR of HTLV-1. ATF4 belongs to a family of DNA-binding proteins that includes the AP-1 family of transcription factors, cAMP-response element binding proteins (CREBs) and CREB-like proteins. These transcription factors share a leucine zipper region that is involved in protein-protein interactions located C-terminal to a stretch of basic amino acids that functions as a DNA binding domain. Diseases associated with ATF4 include leukoencephalopathy with vanishing white matter and T-cell leukemia.

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                | <b>ATF4</b>                                                                                                          |
| UniProt Synonym Gene Names       | CREB2; TXREB; cAMP-dependent transcription factor ATF-4; CREB-2; cAMP-responsive element-binding protein 2; TaxREB67 |

**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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/atf4-antibody-immunohistochemistry-immunoblot-elisa/47832>