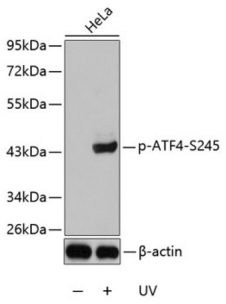
# ATF4 (pS245) Antibody

Catalogue No.:abx000357




Western blot analysis of lysates from HeLa cells using Phospho-ATF4-S245 Antibody. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) at 1/10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% BSA.

ATF4 (pS245) Antibody is a Rabbit Polyclonal antibody against ATF4 (pS245). This gene 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. The encoded protein was also isolated and characterized as the cAMP-response element binding protein 2 (CREB-2). The protein encoded by this gene 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. Two alternative transcripts encoding the same protein have been described. Two pseudogenes are located on the X chromosome at q28 in a region containing a large inverted duplication.

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| **Target:** | ATF4 (pS245) |
| **Clonality:** | Polyclonal |
| **Reactivity:** | Human |
| **Tested Applications:** | WB |
| **Host:** | Rabbit |
| **Recommended dilutions:** | WB: 1/500 - 1/2000. Optimal dilutions/concentrations should be determined by the end user. |
| **Conjugation:** | Unconjugated |
| **Immunogen:** | A phospho specific peptide corresponding to residues surrounding S245 of human ATF4 |
| **Isotype:** | IgG |
| **Form:** | Liquid |
| **Purification:** | Purified by affinity chromatography. |
| **Storage:** | Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles. |




Abbexa LTD, Cambridge, UK · Phone: +44 (0) 1223 755950 · Fax: +44 (0) 1223 755951
Abbexa LLC, Houston, TX USA · Phone: +1 832 327 7413
Abbexa BV, Leiden, NL
Website: www.abbexa.com · Email: info@abbexa.com

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|---|---|
| **UniProt Primary AC:** | P18848 (UniProt, ExPASy) |
| **Gene Symbol:** | ATF4 |
| **GeneID:** | 468 |
| **KEGG:** | hsa:468 |
| **String:** | 9606.ENSP00000336790 |
| **Molecular Weight:** | Calculated MW: 39 kDa<br>Observed MW: 45 kDa |
| **Buffer:** | PBS, pH 7.3, containing 0.02% sodium azide, 50% glycerol. |
| **Concentration:** | > 0.2 mg/ml |
| **Note:** | THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION. |




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Abbexa LLC, Houston, TX USA · Phone: +1 832 327 7413
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Website: www.abbexa.com · Email: info@abbexa.com