

9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

35-1052: Polyclonal Antibody to ATF4 (Phospho-Ser245)

Clonality: Polyclonal
Application: IHC,WB
Reactivity: Human
Gene: ATF4
Gene ID: 468
Uniprot ID: P18848
Format: Purified

Alternative Name : C/ATF, C/EBP-related ATF, CREB2

Isotype: Rabbit IgG

Immunogen Information: Peptide sequence around phosphorylation site of serine 245 (N-R-S(p)-L-P) derived from

Human ATF4.

Description

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. 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 chromsome at q28 in a region containing a large inverted duplication.

Product Info

Amount : 50 μl / 100 μl

Content: Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM

NaCl, 0.02% sodium azide and 50% glycerol.

Storage condition : Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid

repeated freeze and thaw cycles.

Application Note

Predicted MW: 45kd, Western blotting: 1:500~1:1000, Immunohistochemistry: 1:50~1:100

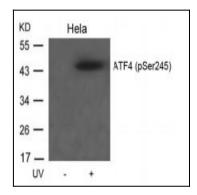


Figure 1: Western blot analysis of extracts from Hela cells untreated or treated with UV using ATF4(Phospho-Ser245) Antibody 35-1052.



9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

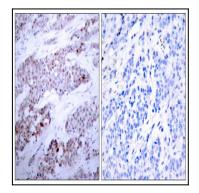


Figure 2: Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using ATF4(Phospho-Ser245) Antibody 35-1052 (left) or the same antibody preincubated with blocking peptide(right).