

ATF4(Phospho-Ser245) Antibody

Catalog No: #11053



Package Size: #11053-1 50ul #11053-2 100ul #11053-4 25ul

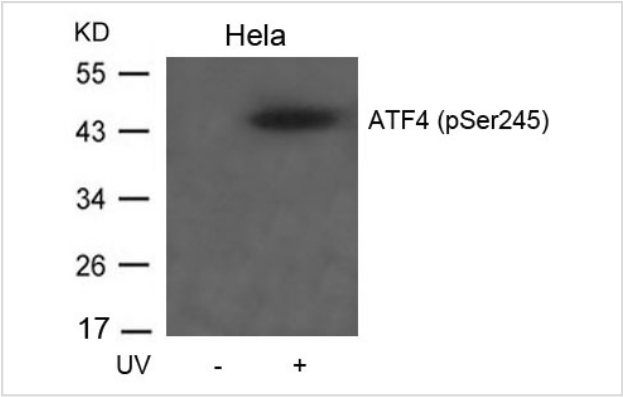
Overview

Product Name	ATF4(Phospho-Ser245) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	IHC WB
Species Reactivity	Hu
Immunogen Type	Peptide-KLH
Target Name	ATF4
Modification	Phospho-Ser245
Alternative Names	C/ATF; C/EBP-related ATF; CREB2

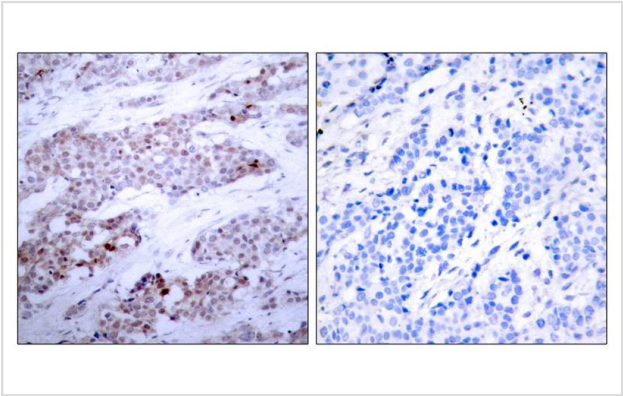
Application Details

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

Images



Western blot analysis of extracts from Hela cells untreated or treated with UV using ATF4(Phospho-Ser245) Antibody #11053.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using ATF4(Phospho-Ser245) Antibody #11053(left) or the same antibody preincubated with blocking peptide(right).

Descriptions

Immunogen	Peptide sequence around phosphorylation site of serine 245 (N-R-S(p)-L-P) derived from Human ATF4.
Specificity	The antibody detects endogenous level of ATF4 only when phosphorylated at serine 245.
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.
Accession NO.	Swiss-Prot: P18848NCBI Protein: NP_001666.2

Related Information

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

Yang X, et al. (2004). Cell.117(3): 387-398.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.