AP0309

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Phospho-ATF4-S245 Rabbit pAb

Catalog No.: AP0309 2 Publications

Basic Information

Observed MW
45kDa

Calculated MW
39kDa

Category
Polyclonal Antibody

Applications
WB

Cross-Reactivity
Human

Background

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.

Recommended Dilutions

WB	1:500 - 1:2000

Immunogen Information

Gene ID
468

Swiss Prot
P18848

Immunogen
Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms
CREB2; TXREB; CREB-2; TAXREB67; Phospho-ATF4-S245

Contact

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Product Information

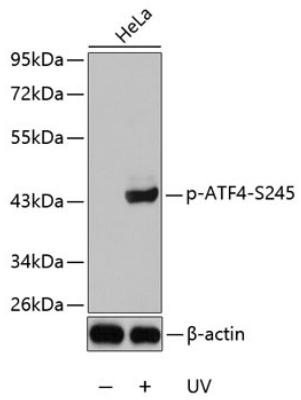
Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

Validation Data



Western blot analysis of lysates from HeLa cells using Phospho-ATF4-S245 Rabbit pAb (AP0309).
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% BSA.