bs-5190R **[Primary Antibody]**

phospho-ATF4 (Ser245) Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 468 **SWISS:** P18848

Target: ATF4 (Ser245)

Immunogen: KLH conjugated Synthesised phosphopeptide derived from human ATF4 around the phosphorylation site of Ser245: NR(p-S)LP.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: ATF4 is 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 HTLV1. The encoded protein was also isolated and characterized as the cAMP-response element binding protein 2 (CREB2). The protein encoded by this gene belongs to a family of DNA-binding proteins that includes the AP1 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 (referenced from Entrez gene).

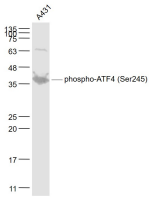
Applications: **WB** (1:500-2000)

Reactivity: Human

Predicted MW.: 38 kDa

Subcellular Location: Cell membrane ,Cytoplasm ,Nucleus

VALIDATION IMAGES



Sample: A431(Human) Cell Lysate at 30 ug
Primary: Anti- phospho-ATF4 (Ser245) (bs-5190R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 38 kD Observed band size: 38 kD

SELECTED CITATIONS

- **[IF=4.86]** Jiang, Mingfang, et al. "Down-regulation of miR-384-5p Attenuates Rotenone-induced Neurotoxicity in Dopaminergic SH-SY5Y Cells Through Inhibiting Endoplasmic Reticulum Stress." American Journal of Physiology-Cell Physiology (2016): ajpcell-00226. WB ;="Human". 26864693
- **[IF=4.15]** Hayashi, Keitaro, et al. "HOXB9 acts as a negative regulator of activated human T cells in response to amino acid deficiency." Immunology and Cell Biology (2016). WB ;="Human". 26926958