ATF4 (R239) polyclonal antibody

Catalog: BS1026 Host: Rabbit Reactivity: Human,Mouse,Rat

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).

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 49 kDa

Swiss-Prot:

P18848

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

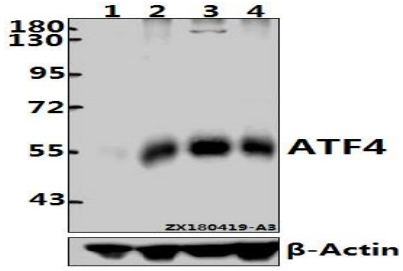
Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

Specificity:

ATF4 (R239) polyclonal antibody detects endogenous levels of ATF4 protein.

DATA:



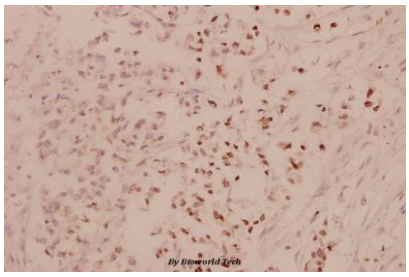
Western blot (WB) analysis of ATF4 pAb at 1:5000 dilution

Lane1:EC9706 whole cell lysate(40ug)

Lane2:C6 whole cell lysate(40ug)

Lane3:A375 whole cell lysate(40ug)

Lane4:3T3-L1 whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of ATF4 (R239) pAb in paraffin-embedded human breast carcinoma tissue at 1:100.

Note:

For research use only, not for use in diagnostic procedure.

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