

## ATF4 monoclonal antibody

Catalog: MB22298

Host: Mouse

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. <br />

### Product:

Purified antibody in PBS with 0.05% sodium azide

### Molecular Weight:

38.6kDa

### Swiss-Prot:

P18848

### Purification&Purity:

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

### Applications:

WB:1/500 - 1/2000 IHC:1/200 - 1/1000

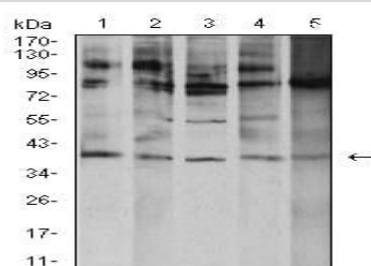
### Storage&Stability:

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

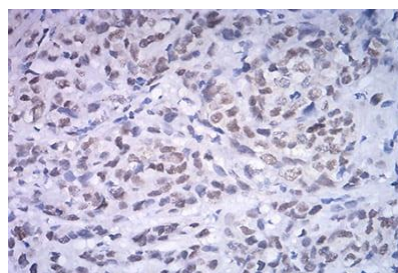
### Isotype:

Mouse IgG1

### DATA:



Western blot analysis using ATF4 mouse mAb against K562 (1), A431 (2), HeLa (3), HEK293 (4), and Ramos (5) cell lysate.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissues using ATF4 mouse mAb with DAB staining.

### Note:

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

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