

ATF-4 (ANT0094R) Rabbit mAb

CatalogNo: ANT8169 **Recombinant** 

Formulation: PBS,50%glycerol,0.05%Proclin 300,0.05%BSA
Quantity : 100 ug/vial

Host Species

- Rabbit
- Human,Mouse,Rat,

Reactivity

- WB,IHC,IF,IP,ELISA

Applications

MW

- 38kD (Calculated)
- 49kD (Observed)

Isotype

- IgG,Kappa

Recommended Dilution Ratios

IHC 1:100-1:200

WB 1:1000-1:5000

IF 1:200-1:1000

ELISA 1:5000-1:20000

IP 1:50-1:200,

Storage

Storage* -15°C to -25°C/1 year(Do not lower than -25°C)

Basic Information

Clonality Monoclonal

Clone Number ANT0094R

Target Information

Endogenous

Gene name ATF4
Protein Name Cyclic AMP-dependent transcription factor ATF-4

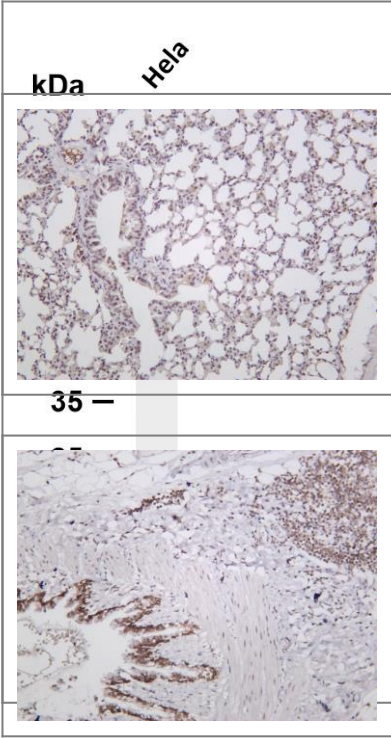
Organism	Gene ID	UniProt ID
Human	468 ;	P18848 ;
Mouse	11911 ;	Q06507 ;

Cellular Localization Nucleus

Tissue specificity Bladder,Colon,Fibroblast,Leukemic T-cell,Lung,Ovary,Placenta,

Function:Transcriptional activator. Binds the cAMP response element (CRE) (consensus: 5'GTGACGT[AC][AG]-3'), a sequence present in many viral and cellular promoters. It binds to a Tax-responsive enhancer element in the long terminal repeat of HTLV-I.,similarity:Belongs to the bZIP family.,similarity:Contains 1 bZIP domain.,subcellular location:Colocalizes with GABBR1 in hippocampal neuron dendritic membranes.,subunit:Interacts with the C-terminal region of GABBR1 via the leucine zipper of its C-terminal bZIP domain. Interacts with the Cterminal region of GABBR2 (By similarity). Binds DNA as a homo-or heterodimer. Interacts with the N-terminal region of CEP290.,

Validation Data



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-ATF-4 (ANT0094R) antibody. The HRPconjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1:Hela treated with serum for 30min
Predicted band size:

38kDa Observed band size: 49kDa

Mouse lung was stained with Anti-ATF-4 (ANT0094R) rabbit antibody

Rat lung was stained with Anti-ATF-4 (ANT0094R) rabbit antibody

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