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# ATF4 Rabbit mAb

货号: **AYM31065**

## 产品信息

|       |  |
|-------|--|
| 反应    | Human,Mouse,Rat  |
| 宿主    | Rabbit   |
| 克隆性   | Monoclonal   |
| 预测反应  |  |
| 应用    | WB IHC IP FC ICC/IF  |
| 推荐浓度  | <b>WB:</b> 1:500 - 1:2000<br><b>IHC:</b> 1:50 - 1:200<br><b>IF/ICC:</b> 1:50 - 1:200<br><b>IP:</b> 1:20 - 1:50<br><b>FC:</b> 1:20 - 1:50 |
| 理论分子量 | 38kDa  |
| 实测分子量 | 50kDa  |
| 形式    | Liquid   |
| 保存条件  | Store at -20°C. Avoid freeze / thaw cycles.<br>Buffer: PBS with 0.75% BSA,50% glycerol,pH7.3.  |
| 偶联物   | Unconjugated   |
| 阳性对照  | HeLa   |
| 细胞定位  | Cell membrane,Cytoplasm,Nucleus,centrosome,cytoskeleton,microtubule organizing center  |
| 纯化    | Affinity purification  |

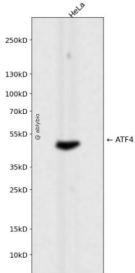
## 抗原信息

|      |   |
|------|---|
| 抗原信息 | Recombinant fusion protein corresponding to Human ATF4. |
|------|---|

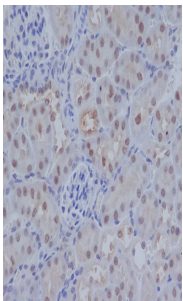
## 靶点信息

|       |  |
|-------|--|
| 研究背景  | 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. |
| 基因ID  | 468  |
| 基因名   | ATF4   |
| Swiss | P18848   |
| 别名    | ATF4, Activating transcription factor 4; ATF 4; ATF4; ATF4 protein; ATF4_HUMAN; cAMP-dependent transcription factor ATF-4; cAMP-responsive element-binding protein 2; CREB 2; CREB-2; CREB2; Cyclic AMP dependent transcription factor ATF 4; Cyclic AMP response element binding protein 2; Cyclic AMP-dependent transcription factor ATF-4; Cyclic AMP-responsive element-binding protein 2; DNA binding protein TAXREB 67; DNA-binding protein TAXREB67; Tax Responsive Enhancer Element B67; Tax-responsive enhancer element-binding protein 67; TaxREB67; TXREB;  |

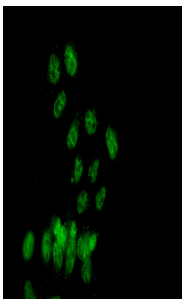
## 产品验证



Western blot analysis of ATF4 expressed in HeLa using ATF4 Rabbit mAb at 1:1000. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:5000. Lysates/proteins: 30ug per lane. Blocking buffer: 5% non-fat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 120s.



Immunohistochemical analysis of paraffin-embedded mouse kidney, using ATF4 Antibody.



Immunofluorescence analysis of HeLa cells labelling ATF4 with . The cells were fixed with cold 100% methanol (10min, 4°C) and blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween 20 for 1h. The cells were then incubate with Goat Anti-Rabbit IgG Fluor488 (1:200, shown in green) at room temperature for 1h.

### 实验步骤

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