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# FOXK1 Rabbit pAb

**货号: AYP13904**

## 产品信息

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|---|---|
| 反应 | Human,Mouse |
| 宿主 | Rabbit |
| 克隆性 | Polyclonal |
| 预测反应 | **WB:** Homo sapiens |
| 应用 | WB |
| 推荐浓度 | **WB:** 1:500 - 1:2000<br>**IHC:** 1：50-1：200<br>**IF:** 1：100-1：300 |
| 理论分子量 | 59kDa/75kDa |
| 实测分子量 | 75KD-105kDa |
| 形式 | Liquid |
| 保存条件 | Store at -20℃. Avoid freeze / thaw cycles.<br>Buffer: PBS with 0.01% thiomersal,50% glycerol,pH7.3. |
| 偶联物 | Unconjugated |
| 阳性对照 | U-87MG,Raji,A-549 |
| 细胞定位 | Nucleus |
| 纯化 | Affinity purification |

## 抗原信息

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| 抗原信息 | Recombinant fusion protein containing a sequence corresponding to amino acids 434-733 of human FOXK 1 (NP_001032242.1). |

## 靶点信息

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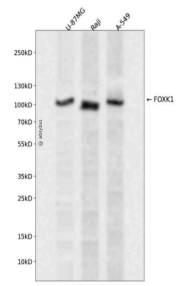
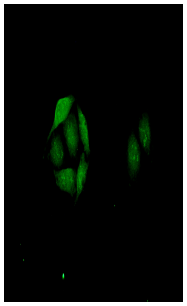
| 研究背景 | Transcriptional regulator involved in different processes such as glucose metabolism, aerobic glycolysis, muscle cell differentiation and autophagy (By similarity. Recognizes and binds the forkhead DNA sequence motif (5'-GTAAACA-3' and can both act as a transcription activator or repressor, depending on the context. Together with FOXK2, acts as a key regulator of metabolic reprogramming towards aerobic glycolysis, a process in which glucose is converted to lactate in the presence of oxygen (By similarity. Acts by promoting expression of enzymes for glycolysis (such as hexokinase-2 (HK2, phosphofructokinase, pyruvate kinase (PKLR and lactate dehydrogenase, while suppressing further oxidation of pyruvate in the mitochondria by up-regulating pyruvate dehydrogenase kinases PDK1 and PDK4 (By similarity. |
| 基因ID | 221937 |
| 基因名 | FOXK1 |
| Swiss | P85037 (https://www.uniprot.org/uniprotkb/P85037/entry) |
| 别名 | FOXK1,FOXK1L,FOXK1 Rabbit pAb,Myocyte nuclear factor,MNF |

## 产品验证




Western blot analysis of FOXK1 expressed in U-87MG,Raji,A-549 using FOXK1 Rabbit pAb at 1:500. 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.



Immunofluorescence analysis of HeLa cells labelling FOXK1 with . The cells were fixed with cold 100% methanol (10min, 4℃) 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 temprature for 1h.

## 实验步骤

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