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AIF/AIFM1 Rabbit mAb

货号: **AYM28464**

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 IF
推荐浓度	WB: 1:500 - 1:2000 IHC: 1:50 - 1:200 ICC: 1:50 - 1:200 IP: 1:20 - 1:50 FC: 1:20 - 1:50
理论分子量	26kDa/28kDa/35kDa/66kDa
实测分子量	67kDa
形式	Liquid
保存条件	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.75% BSA,50% glycerol,pH7.3.
偶联物	Unconjugated
阳性对照	293T,SW620,22Rv1,H460,PC-3,U-937,Mouse liver,Mouse kidney,Mouse heart
细胞定位	Cytoplasm,Mitochondrion inner membrane,Mitochondrion intermembrane space,Nucleus,perinuclear region
纯化	Affinity purification

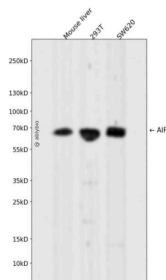
抗原信息

抗原信息	Recombinant fusion protein corresponding to Human AIF.
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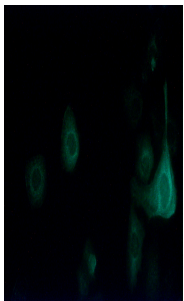
靶点信息

研究背景	This gene encodes a flavoprotein essential for nuclear disassembly in apoptotic cells, and it is found in the mitochondrial intermembrane space in healthy cells. Induction of apoptosis results in the translocation of this protein to the nucleus where it affects chromosome condensation and fragmentation. In addition, this gene product induces mitochondria to release the apoptogenic proteins cytochrome c and caspase-9. Mutations in this gene cause combined oxidative phosphorylation deficiency 6 (COXPD6), a severe mitochondrial encephalomyopathy, as well as Cowchock syndrome, also known as X-linked recessive Charcot-Marie-Tooth disease-4 (CMTX-4), a disorder resulting in neuropathy, and axonal and motor-sensory defects with deafness and mental retardation. Alternative splicing results in multiple transcript variants. A related pseudogene has been identified on chromosome 10.
基因ID	9131
基因名	AIFM1
Swiss	O95831 (https://www.uniprot.org/uniprotkb/O95831/entry)
别名	AIF,AIFM1,AIFM1_HUMAN,Apoptosis inducing factor 1,mitochondrial,Apoptosis inducing factor,mitochondrion associated,1,Apoptosis-inducing factor 1,CMTX4,COWCK,COXPD6,Harlequin,Hq,mAIF,MGC111425,MGC5706,Neuropathy,axonal motor-sensory,with deafness and mental retardation,axonal,motor-sensory with deafness and mental retardation (Cowchock syndrome),PDCD 8,PDCD8,Programmed cell death 8 (apoptosis inducing factor),Programmed cell death 8,Programmed cell death 8 isoform 1,Programmed cell death 8 isoform 2,Programmed cell death 8 isoform 3,Programmed cell death protein 8,AIF/AIFM1 Rabbit mAb

产品验证



Western blot analysis of AIF expressed in Mouse liver,293T,SW620 using AIF 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.



Immunofluorescence analysis of HeLa cells labelling AIFM1 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 incubated with Goat Anti-Rabbit IgG Fluor488 (1:200, shown in green) at room temperature for 1h.

实验步骤

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