

产品名称: MFN1 Rabbit Polyclonal Antibody
产品货号: APRab13849



产品概述 (Summary)

产品名称 (Production Name)	MFN1 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.12% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	MFN1
别名 (Alternative Names)	Mitofusin-1 (EC 3.6.5.-) (Fzo homolog) (Transmembrane GTPase MFN1)
基因 ID (Gene ID)	55669.0
蛋白 ID (SwissProt ID)	Q8IWA4.Synthesized peptide derived from human MFN1 AA range: 163-213

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000
蛋白分子量 (Molecular Weight)	85kDa

研究背景 (Background)

The protein encoded by this gene is a mediator of mitochondrial fusion. This protein and mitofusin 2 are homologs of the

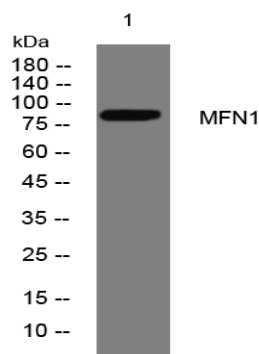
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Drosophila protein fuzzy onion (Fzo). They are mitochondrial membrane proteins that interact with each other to facilitate mitochondrial targeting. [provided by RefSeq, Jul 2008],catalytic activity:GTP + H₂O = GDP + phosphate.,function:Essential transmembrane GTPase, which mediates mitochondrial fusion. Fusion of mitochondria occurs in many cell types and constitutes an important step in mitochondria morphology, which is balanced between fusion and fission. MFN1 acts independently of the cytoskeleton. Overexpression induces the formation of mitochondrial networks.,similarity:Belongs to the mitofusin family.,subunit:Forms homomultimers and heteromultimers with MFN2. Multimerization, which is probably mediated by the coiled coil region, may play an essential role in mitochondrion fusion (By similarity). Participates in a high molecular weight multiprotein complex.,tissue specificity:Ubiquitous. Expressed at slightly higher level in kidney and heart. Isoform 2 may be overexpressed in some tumors, such as lung cancers.,

研究领域 (Research Area)

Neuroscience; Neurology process; Neurodegenerative disease; Parkinson's disease; Tags & Cell Markers; Subcellular Markers; Organelles; Mitochondria; Signal Transduction; Second Messenger; Nucleotide Messenger; GTP; Metabolism; Pathways and Processes; Mitochondrial Metabolism; Mitochondrial markers; Mitophagy fission and fusion

图片 (Image Data)



Western blot analysis of lysates from HCT116 cells, primary antibody was diluted at 1:1000, 4° over night

注意事项 (Note)

For research use only .