

# DRP1 (YD12235) Rabbit mAb

货号: **AYD15795**

## 产品信息

反应	Human,Mouse,Rat
宿主	Rabbit
克隆性	Monoclonal
预测反应	
应用	WB IHC-P ICC/IF FC IP
推荐浓度	
理论分子量	82kDa
实测分子量	
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	
细胞定位	Cytoplasm, cytosol, Golgi apparatus, Endomembrane system, Mitochondrion outer membrane, Peroxisome, Membrane, clathrin-coated pit, Cytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane, Lysosome, Late endosome, Cell membrane, Postsynaptic density
纯化	

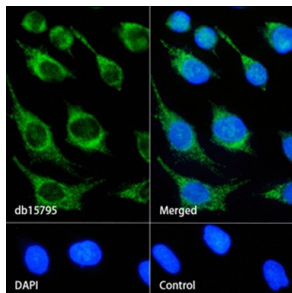
## 抗原信息

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## 靶点信息

研究背景	Functions in mitochondrial and peroxisomal division (PubMed:19578372, PubMed:19752021, PubMed:22564413, PubMed:23283981, PubMed:24508339, PubMed:29478834, PubMed:29853636, PubMed:32484300). Mediates membrane fission through oligomerization into membrane-associated tubular structures that wrap around the scission site to constrict and sever the mitochondrial membrane through a GTP hydrolysis-dependent mechanism (PubMed:24508339). The specific recruitment at scission sites is mediated by membrane receptors like MFF, MIEF1 and MIEF2 for mitochondrial membranes (PubMed:23283981, PubMed:24508339). While the recruitment by the membrane receptors is GTP-dependent, the following hydrolysis of GTP induces the dissociation from the receptors and allows DNM1L filaments to curl into closed rings that are probably sufficient to sever a double membrane (PubMed:24508339). Acts downstream of PINK1 to promote mitochondrial fission in a PRKN-dependent manner (PubMed:32484300). Plays an important role in mitochondrial fission during mitosis (By similarity). Required for formation of endocytic vesicles (By similarity). Through its function in mitochondrial division, ensures the survival of at least some types of postmitotic neurons, including Purkinje cells, by suppressing oxidative damage (PubMed:19752021, PubMed:22564413). Required for normal brain development, including that of cerebellum (PubMed:19578372, PubMed:22564413). Facilitates developmentally regulated apoptosis during neural tube formation (PubMed:19578372). Required for a normal rate of cytochrome c release and caspase activation during apoptosis; this requirement may depend upon the cell type and the physiological apoptotic cues (PubMed:19578372). Proposed to regulate synaptic vesicle membrane dynamics through association with BCL2L1 isoform Bcl-X(L) which stimulates its GTPase activity in synaptic vesicles; the function may require its recruitment by MFF to clathrin-containing vesicles (By similarity). Required for programmed necrosis execution (By similarity). Rhythmic control of its activity following phosphorylation at Ser-637 is essential for the circadian control of mitochondrial ATP production (PubMed:29478834)
基因ID	3134
基因名	Dnm1l
Swiss	Q8K1M6
别名	DRP1 (YD12235)

## 产品验证



## 实验步骤

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