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active Caspase-3 Rabbit mAb

货号: **AYM28450**

产品信息

反应	Human
宿主	Rabbit
克隆性	Monoclonal
预测反应	
应用	WB IHC ICC/IF
推荐浓度	WB: 1:500 - 1:2000 IHC: 1:50 - 1:200 IF/ICC: 1:50 - 1:200
理论分子量	31kDa
实测分子量	17kDa
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,NIH/3T3,Jurkat
细胞定位	Cytoplasm
纯化	Affinity purification

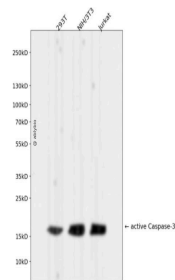
抗原信息

抗原信息	Recombinant fusion protein corresponding to Human active Caspase-3.
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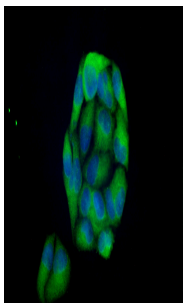
靶点信息

研究背景	This gene encodes a protein which is a member of the cysteine-aspartic acid protease (caspase) family. Sequential activation of caspases plays a central role in the execution-phase of cell apoptosis. Caspases exist as inactive proenzymes which undergo proteolytic processing at conserved aspartic residues to produce two subunits, large and small, that dimerize to form the active enzyme. This protein cleaves and activates caspases 6, 7 and 9, and the protein itself is processed by caspases 8, 9 and 10. It is the predominant caspase involved in the cleavage of amyloid-beta 4A precursor protein, which is associated with neuronal death in Alzheimer's disease. Alternative splicing of this gene results in two transcript variants that encode the same protein.
基因ID	836
基因名	CASP3
Swiss	P42574 (https://www.uniprot.org/uniprotkb/P42574/entry)
别名	active Caspase-3,CASP-3,CASP3,CASP3_HUMAN,Casp3a,Caspase 3,apoptosis-related cysteine peptidase,apoptosis-related cysteine protease,apoptosis-related cysteine protease a,Caspase-3 subunit p12,CC3,CPP-32,CPP32,CPP32B,Cysteine protease CPP32,EC 3.4.22.56,LICE,mIcy,OTTHUMP00000165052,OTTHUMP00000165053,OTTHUMP00000165054,PARP cleavage protease,Procaspase3,protein Yama,SCA 1,SCA-1,SREBP cleavage activity 1,active Caspase-3 Rabbit mAb,Apopain

产品验证



Western blot analysis of active Caspase-3 expressed in 293T,NIH/3T3,Jurkat using active Caspase-3 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 active Caspase-3 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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