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Calcineurin A Rabbit mAb

货号: **AYM30402**

产品信息

反应	Human,Mouse,Rat
宿主	Rabbit
克隆性	Monoclonal
预测反应	
应用	WB IF/ICC FC
推荐浓度	WB: 1:500 - 1:2000 IF/ICC: 1:50 - 1:200 FC: 1:20 - 1:50
理论分子量	31kDa/51kDa/52kDa/57kDa/58kDa
实测分子量	59kDa
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	HeLa,SH-SY5Y,THP-1,A-549,Mouse brain,Mouse lung
细胞定位	Cell membrane,Nucleus,sarcolemma
纯化	Affinity purification

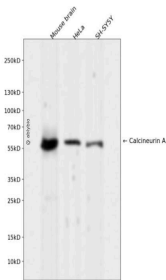
抗原信息

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

研究背景	Calcium-dependent, calmodulin-stimulated protein phosphatase which plays an essential role in the transduction of intracellular Ca ²⁺ -mediated signals. Many of the substrates contain a PxlIT motif and/or a LxVP motif. In response to increased Ca ²⁺ levels, dephosphorylates and activates phosphatase SSH1 which results in cofilin dephosphorylation. In response to increased Ca ²⁺ levels following mitochondrial depolarization, dephosphorylates DNM1L inducing DNM1L translocation to the mitochondrion. Dephosphorylates heat shock protein HSPB1 (By similarity. Dephosphorylates and activates transcription factor NFATC1. In response to increased Ca ²⁺ levels, regulates NFAT-mediated transcription probably by dephosphorylating NFAT and promoting its nuclear translocation. Dephosphorylates and inactivates transcription factor ELK1. Dephosphorylates DARPP32. May dephosphorylate CRTC2 at 'Ser-171' resulting in CRTC2 dissociation from 14-3-3 proteins. Dephosphorylates transcription factor TFEB at 'Ser-211' following Coxsackievirus B3 infection, promoting nuclear translocation.
基因ID	5530
基因名	PPP3CA
Swiss	Q08209
别名	Calcineurin A, Calcineurin A Rabbit mAb, PPP3CA, CAM-PRP catalytic subunit, Calcineurin A alpha, Calmodulin-dependent calcineurin A subunit alpha isoform, Serine/threonine-protein phosphatase 2B catalytic subunit alpha isoform, CALNA, CNA

产品验证



Western blot analysis of Calcineurin A expressed in Mouse brain, HeLa, SH-SY5Y using Calcineurin A 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.

实验步骤

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