

PPP4C Rabbit pAb

货号: AYP19294

产品信息

反应	Human,Mouse,Rat
宿主	Rabbit
克隆性	Polyclonal
预测反应	
应用	WB IHC IF/ICC IP
推荐浓度	WB: 1:500 - 1:2000 IHC: 1:50 - 1:200 IF/ICC: 1:50 - 1:200 IP: 1:50 - 1:200
理论分子量	35kDa
实测分子量	36kDa
形式	Liquid
保存条件	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
偶联物	Unconjugated
阳性对照	293T,NIH3T3,MCF-7,Mouse testis,Mouse spleen
细胞定位	Cytoplasm,Nucleus,centrosome,cytoskeleton,microtubule organizing center
纯化	Affinity purification

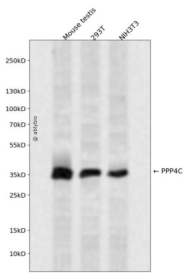
抗原信息

抗原信息	Recombinant fusion protein containing a sequence corresponding to amino acids 1-307 of human PPP4C (NP_002711.1).
序列	MAEISDLDRQIEQLRRCCELKESEVKALCAKAREILVEESNVQRVDSPTVCGDIHGQFYDLKELFRVGGDVPETNYLFMGD FVDRGFYSVETFLLLLALKVRYPDRTILIRGNHESRQITQVYGFYDECLRKYGSVTVWRYCTEIFDYLSLSAIDGKIFCVHGG LSPSIQTLDQIRTIDRKQEVPHDGPMDLLWSDPEDTTGWGVS PRGAGYLF GSDVVAQFNAANDIDMICRAHQLVMEGY KWHFNETVLTVWSAPNYCYRCGNVAAILLEHLQKDFIIFEAAPQETR GIPSKKPVADYFL

靶点信息

研究背景	Protein phosphatase that is involved in many processes such as microtubule organization at centrosomes , maturation of spliceosomal snRNPs, apoptosis, DNA repair, tumor necrosis factor (TNF-alpha signaling, activation of c-Jun N-terminal kinase MAPK8, regulation of histone acetylation, DNA damage checkpoint signaling, NF-kappa-B activation and cell migration. The PPP4C-PPP4R1 PP4 complex may play a role in dephosphorylation and regulation of HDAC3. The PPP4C-PPP4R2-PPP4R3A PP4 complex specifically dephosphorylates H2AX phosphorylated on Ser-140 (gamma-H2AX generated during DNA replication and required for DNA double strand break repair. Dephosphorylates NDEL1 at CDK1 phosphorylation sites and negatively regulates CDK1 activity in interphase (By similarity. In response to DNA damage, catalyzes RPA2 dephosphorylation, an essential step for DNA repair since it allows the efficient RPA2-mediated recruitment of RAD51 to chromatin.
基因ID	5531
基因名	PPP4C
Swiss	P60510
别名	PPP4C;PP-X;PP4;PP4C;PPH3;PPP4;PPX

产品验证



Western blot analysis of PPP4C expressed in Mouse testis,293T,NIH3T3 using PPP4C Rabbit pAb 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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