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Ran Rabbit pAb

货号: **AYP12055**

产品信息

反应	Human,Mouse,Rat,Monkey
宿主	Rabbit
克隆性	Polyclonal
预测反应	WB: Homo sapiens , Mus musculus
应用	WB IF/ICC
推荐浓度	WB: 1:100 - 1:500 IF/ICC: 1:50 - 1:200
理论分子量	24kDa
实测分子量	24KDa
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	Mouse testis,Rat testis
细胞定位	Cytoplasm,Melanosome,Nucleus,Nucleus envelope
纯化	Affinity purification

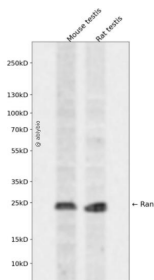
抗原信息

抗原信息	Recombinant fusion protein containing a sequence corresponding to amino acids 1-216 of human Ran (NP_006316.1).
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靶点信息

研究背景	RAN (ras-related nuclear protein) is a small GTP binding protein belonging to the RAS superfamily that is essential for the translocation of RNA and proteins through the nuclear pore complex. The RAN protein is also involved in control of DNA synthesis and cell cycle progression. Nuclear localization of RAN requires the presence of regulator of chromosome condensation 1 (RCC1). Mutations in RAN disrupt DNA synthesis. Because of its many functions, it is likely that RAN interacts with several other proteins. RAN regulates formation and organization of the microtubule network independently of its role in the nucleus-cytosol exchange of macromolecules. RAN could be a key signaling molecule regulating microtubule polymerization during mitosis. RCC1 generates a high local concentration of RAN-GTP around chromatin which, in turn, induces the local nucleation of microtubules. RAN is an androgen receptor (AR) coactivator that binds differentially with different lengths of polyglutamine within the androgen receptor. Polyglutamine repeat expansion in the AR is linked to Kennedy's disease (X-linked spinal and bulbar muscular atrophy). RAN coactivation of the AR diminishes with polyglutamine expansion within the AR, and this weak coactivation may lead to partial androgen insensitivity during the development of Kennedy's disease.
基因ID	5901
基因名	RAN
Swiss	P62826 (https://www.uniprot.org/uniprotkb/P62826/entry)
别名	RAN,ARA24,Gsp1,TC4,Ran Rabbit pAb,Androgen receptor-associated protein 24,GTPase Ran,Ras-like protein in TC4,Ras-related nuclear protein

产品验证



Western blot analysis of Ran expressed in Mouse testis, Rat testis using Ran 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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