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Product no AS21 4608

Anti-Rnr1 | Ribonucleoside-diphosphate reductase large subunit (Affinity Purified)

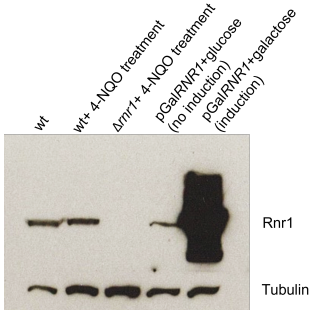
Product information

Immunogen	Two KLH-conjugated synthetic peptides derived from c-terminal of *Saccharomyces cerevisiae* Rnr1 protein, sequence UniProt: P21524
Host	Rabbit
Clonality	Polyclonal
Purity	Immunogen affinity purified serum in PBS pH 7.4.
Format	Lyophilized
Quantity	50 µg
Reconstitution	For reconstitution add 50 µl, of sterile or deionized water.
Storage	Store lyophilized/reconstituted at -20°C; once reconstituted make aliquots to avoid repeated freeze-thaw cycles. Please remember to spin the tubes briefly prior to opening them to avoid any losses that might occur from material adhering to the cap or sides of the tube.

Application information

Recommended dilution	1 : 5000 (WB)
Expected | apparent MW	99.56 | 100 kDa
Confirmed reactivity	*Saccharomyces cerevisiae*
Predicted reactivity	Species of your interest not listed? Contact us
Not reactive in	No confirmed exceptions from predicted reactivity are currently known
Selected references	Van der Horst et al. (2025). Replication-IDentifier links epigenetic and metabolic pathways to the replication stress response. Nat Commun. 2025 Feb 6;16(1):1416. doi: 10.1038/s41467-025-56561-y.

Application example



10 ul of total protein from 1 x 10^8 cells of *Saccharomyces cerevisiae,* extracted with lysis buffer (20 mM Tris, pH 8, 50 mM Ammonium acetate, 2 mM EDTA, plus protease and phosphatase inhibitor cocktails) containing 10% TCA, and re-suspended and denatured in 1X Laemmli buffer for 10 min, were separated on 10% SDS-PAGE and blotted on to nitrocellulose membrane (0.45µm) for 1.5h at constant 0.5Ampere current using wet transfer. Blots were blocked (5% milk) for 1h at room temperature (RT) with agitation. Blot was incubated in the primary antibody at a dilution of 1:5000 o/n at 4°C with agitation. The antibody solution was decanted and the blot was rinsed briefly twice, then washed 3 times for 10 min in TBS-T at RT with agitation. Blot was incubated in secondary antibody (anti-rabbit IgG horseradish peroxidase conjugated) diluted to 1:5000 in TBS-T for 1h at RT with agitation. The blot was washed as above and developed with Supersignal West pico chemiluminescent detection reagents (Thermo scientific). Exposure time was 1 minute.