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Product no AS08 331

L7/L12 | Ribosomal protein

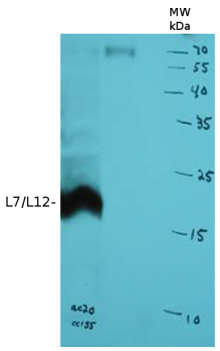
Product information

Immunogen	Purified native *Chlamydomonas reinhardtii* L-30 protein eluted from a gel piece
Host	Rabbit
Clonality	Polyclonal
Purity	Serum
Format	Lyophilized
Quantity	200 µl
Reconstitution	For reconstitution add 200 µl of sterile 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.
Additional information	Name of this antibody has been changed from L-30 | 50S ribosomal protein L30 to L7/L12 based on the following reference: Randolph-Anderson et al. (1989). Electrophoretic and immunological comparisons of chloroplast and prokaryotic ribosomal proteins reveal that certain families of large subunit proteins are evolutionarily conserved. J Mol Evol. 1989 Jul;29(1):68-88.

Application information

Recommended dilution	1: 10 (IF), 1 : 1000 (WB)
Expected | apparent MW	11.9 kDa (*Chlamydomonas reinhardtii*), 15.7 kDa (spinach)
Confirmed reactivity	*Chlamydomonas reinhardtii*, weakly reacts with the r-protein in spinach ca. 1 %
Not reactive in	No confirmed exceptions from predicted reactivity are currently known
Additional information	Cross react with L2 and L26 proteins of *Chlamydomonas reinhardtii*. L7/L12 is very acidic, may not bind well to nitrocellulose membrane and can have abberant mobility depending upon conditions.

Application example



Total protein extracted freshly from *Chlamydomonas reinhardtii* denatured ay 90°C 5 min. were separated on 12 % SDS-PAGE and blotted 1h to PVDF. Blot was blocked with % milk or % BSA for 1h/RT or 4°C/ON with agitation. Blot was incubated in the primary antibody at a dilution of 1: 1 000 for 1h/RT with agitation. The antibody solution was decanted and the blot was rinsed briefly twice, then washed once for 15 min and 3 times for 5 min in TBS-T at RT with agitation. Blot was incubated in matching secondary antibody (anti-rabbit IgG horse radish peroxidase conjugated) diluted to 1:10 000 in for 1h/RT with agitation. The blot was washed as above and developed chemiluminescent detection reagent, according to manufacture's recommendations.