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Product no AS14 2820

Anti-RBP40 | 38 kDa RNA-binding protein

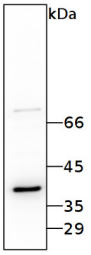
Product information

Immunogen	recombinant *Chlamydomonas reinhardii* RBR40 UniProt: Q6EMK7, AY124882
Host	Rabbit
Clonality	Polyclonal
Purity	Serum
Format	Lyophilized
Quantity	50 µl
Reconstitution	For reconstitution add 50 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.

Application information

Recommended dilution	1 : 1000 (WB)
Expected | apparent MW	42 | 40 kDa
Confirmed reactivity	*Chlamydomonas reinhardtii*
Predicted reactivity	*Chlamydomonas reinhardtii*
Not reactive in	No confirmed exceptions from predicted reactivity are currently known
Selected references	Schwarz at al.. (2007). Synthesis of the D2 protein of photosystem II in Chlamydomonas is controlled by a high molecular mass complex containing the RNA stabilization factor Nac2 and the translational activator RBP40. Plant Cell, 19, 3627–3639.

application example



7.5 µg of total protein from *Chlamydomonas reinhardtii* extracted with lysis buffer (120mM KCl, 20 mM Tricine pH 7.8, 0.4 mM EDTA, 5 mM ß-Mercaptoethanol and 1% Triton-X100), were separated on a 12 % SDS-PAGE and blotted 1h to nitrocellulose using semi-dry transfer. Blots were blocked with 5% milk in TBS-T for 1h at room temperature (RT) with agitation. Blot was incubated in the primary antibody at a dilution of 1: 1000 for ON at 4C with agitation. The antibody solution was decanted and the blot was rinsed briefly once, then washed 3 times for 10 min in TBS-T at RT with agitation. Blot was incubated in secondary antibody (anti-rabbit IgG horse radish peroxidase conjugated, from Sigma, A9169) diluted to 1:10000 in 5% milk in TBS-T for 1h at RT with agitation. The blot was rinsed briefly once, then washed 4 times for 10 min and developed with ECL according to the manufacturer's instructions. Exposure time was 4 seconds.

Courtesy of Dr. Jörg Nickelsen, LMU München, Germany