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Product no AS14 2776

AGO1 | Argonaute 1 (Chlamydomonas)

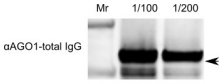
Product information

Immunogen	recombinant AGO1 of *Chlamydomonas reinhardtii*
Host	Rabbit
Clonality	Polyclonal
Purity	Total IgG. Protein G purified in PBS pH 7.4.
Format	Lyophilized
Quantity	1 mg
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	116,4 | 130 kDa
Confirmed reactivity	Recombinant AGO1 of *Chlamydomonas reinhardtii*
Additional information	Antibody binds to recombinat AGO1 of *Chlamydomonas reinhardtii*. Endogenous detection remains to be confirmed.

Application example



Molecular weight markers **(1)**, recombinant AGO1 of *Chlamydomonas reinhardtii* **(2)**, recombinant AGO1 of *Chlamydomonas reinhardtii* (1/2 dilution) **(3)**. Recombinant protein was purified using Ni-NTA Agarose (Qiagen), eluted in 50mM NaH_2PO4, 500 mM NaCl and 250 mM imidazole (pH 7.5) and diluted in 1xPBS with 2% SDS. Samples were denatured prior to loading with 5 x loading buffer (350 mM Tris-Cl (pH 7.5), 30% glycerol, 10% SDS and 0.6 M DTT) by heating at 95°C for 5 mins. Samples were separated on NuPAGE 7% Tris-Acetate Protein Gel and blotted 1h to PVDF using tank transfer. Blots were blocked with 1xTBS with 0.1% Tween-20 (TBS-T) and 5% milk for 1h at room temperature (RT) with agitation. Blot was incubated in the primary antibody at a dilution of 1: 1000 for 15 hrs at 4°C with agitation in TBS-T. 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 secondary antibody (goat anti-rabbit Ab) diluted to 1:5000 in TBS-T for 1h at RT with agitation. The blot was washed as above and imaged using the Odyssey Infrared Imager and Image Studio v 2.1.

Courtesy of PhD candidate Claire Agius, University of Cambridge, UK