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Product no AS21 4562

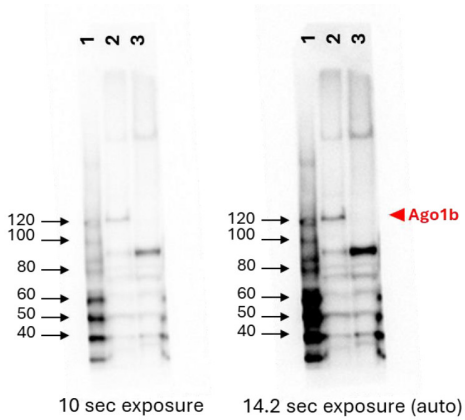
Anti-AGO1b | Argonaute 1b (Oryza sativa)

Product information

Immunogen	KLH-conjugated peptide derived from *Oryza sativa* AGO1b protein sequence, UniProt: Q7XSA2
Host	Rabbit
Clonality	Polyclonal
Purity	Antigen affinity purified serum, in PBS pH 7.4
Format	Lyophilized
Quantity	50 µg
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 tubes briefly prior to opening them to avoid any losses that might occur from lyophilized material adhering to the cap or sides of the tubes.

Application information

Recommended dilution	1 : 1000 (WB)
Expected | apparent MW	123.6 kDa
Confirmed reactivity	*Oryza sativa subsp. japonica,*
Predicted reactivity	*Hordeum vulgare, Oryza sativa subsp. indica, Panicum virgatum, Setaria viridis, Panicum hallii* Species of your interest not listed? Contact us
Not reactive in	No confirmed exceptions from predicted reactivity are currently known
Selected references	To be added when available, antibody available in February 2026.



10 sec exposure 14.2 sec exposure (auto)

Samples:

1 – 2 µl of PageRuler™ Prestained Protein Ladder and 3ul Magic Mark XP, 10 to 220 kDa
2- 25 ug of *Oryza sativa panicle*, wild-type.
3- 25 ug of *Oryza sativa panicle*, ago1b mutant.

25 µg/well of *Oryza sativa* total protein from young panicle tissues. Exact buffer components were: 100 mM Phosphate pH8, 150 mM NaCl, 5 mM EDTA, 5 mM EGTA, 0.1% Triton X-100, 1mM PMSF, cOmplete Protease Inhibitor tablet, Phosphatase Inhibitor 2, 3 & MG-132 and denatured with NuPage LDS Sample Buffer (Invitrogen) supplemented with 50mM DTT at 70°C/10 min. Samples were separated at RT on NuPAGE 3-8% Tris-Acetate gel and blotted for 16h on PVDF membrane (pore size of 0.45 µm), using: wet transfer in the cold (30V). Blot was blocked with 5 % milk in TBS-T for: 1h/RT with agitation. Blot was incubated in the primary antibody at a dilution of 1:1000 for 1h/RT with agitation in 2% milk in TBS. The antibody solution was decanted, and the blot was rinsed briefly twice, then washed 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, AS09 602 Agrisera) diluted to 1: 25 000 in 2% milk in TBS-T for 1h/RT with agitation. The blot was washed as above and developed with a following chemiluminescent detection reagent:ThermoScientific SuperSignal West Femto Maximum Sensitivity Substrate. Exposure time was 10-15 seconds.

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Courtesy of M.Sc. Julie Pelletier, Meyers Lab, University of California, Davis, USA