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Product no AS21 4564

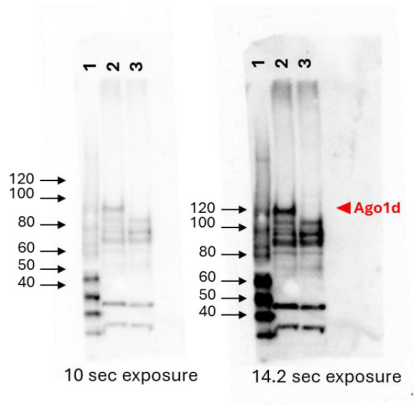
Anti-AGO1d | Argonaute 1d (Oryza sativa)

Product information

Immunogen	KLH-conjugated peptide derived from *Oryza sativa* AGO1d protein sequence, UniProt: Q5Z5B2
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 : 2500 (WB)
Expected | apparent MW	115.9 | 120 kDa
Confirmed reactivity	*Oryza sativa subsp. japonica*
Predicted reactivity	*Oryza brachyantha* 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.



1- 2 µl of PageRuler™ Prestained Protein Ladder and 3ul Magic Mark XP, 10 to 220 kDa
2- 25 ug *Oryza sativa* panicle, wild-type
3- 25 ug *Oryza sativa* panicle, *ago1d* mutant

25 µg/well of total Oryza sativa protein extracted from young panicle tissues. Exact buffer components were: 100mM Phosphate pH8,150mM NaCl, 5mM EDTA, 5mM EGTA, 0.1% Triton X-100, 1mM PMSF, cOmplete Protease Inhibitor tablet, Phosphatase Inhibitior 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 gels 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 1:2 500 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.

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