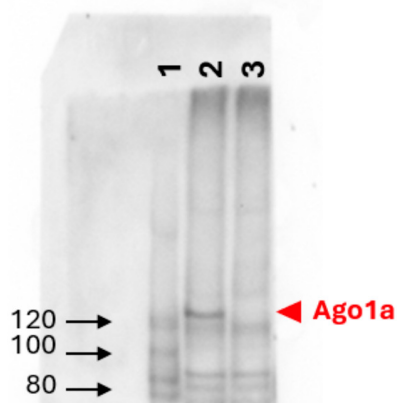


Product no **AS21 4561****Anti-AGO1a | Argonaute 1a (Oryza sativa)****Product information**

Immunogen	KLH-conjugated peptide derived from AGO1a protein sequence of <i>Oryza sativa</i> , UniProt: Q6EU14
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	120.4 kDa
Confirmed reactivity	<i>Oryza sativa</i>
Predicted reactivity	<i>Oryza sativa subsp. japonica</i> , <i>Oryza sativa subsp. indica</i> , <i>Oryza brachyantha</i> Species of your interest not listed? Contact us
Not reactive in	<i>Hordeum vulgare</i>
Selected references	To be added when available, antibody available in February 2026.

**Samples:**

- 1 – 2 µl of PageRuler™ Prestained Protein Ladder and 3 µl Magic Mark XP, 10 to 220 kDa
 2- 30 µg of *Oryza sativa* panicle, wild-type.
 3- 30 µg of *Oryza sativa* panicle, ago1a mutant.

30 µg/well of total protein extracted 14 months ago and stored at -80°C without freeze-thaw from rice 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 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 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 1:2000 for 16h/4°C 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) 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



This product is **for research use only** (not for diagnostic or therapeutic use)

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following chemiluminescent detection reagent: ThermoScientific SuperSignal West Femto Maximum Sensitivity Substrate. Exposure time was 15 seconds.