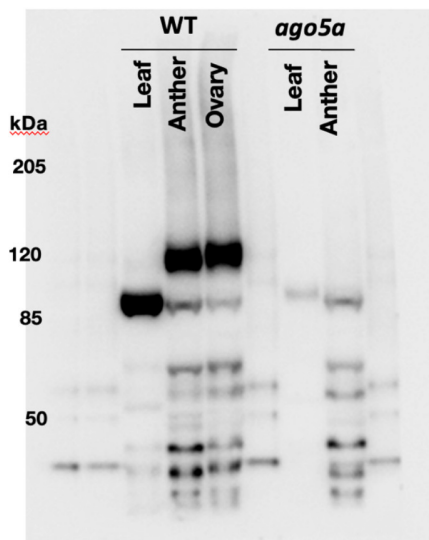


Product no **AS21 4536****Anti-AGO5a | Argonaute 5a****Product information**

| | |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Immunogen | KLH-conjugated peptide derived from AGO5a of <i>Zea mays</i> , UniProt: A0A1D6GKG1 |
| 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 | 115.5 kDa |
| Confirmed reactivity | <i>Zea mays</i> |
| Predicted reactivity | 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 October 2025. |



Samples:

M– Marker

M – Marker

WT 1 – 72 µg of *Zea mays* seedling leaf extract2 – 72 µg of *Zea mays* premeiotic anthers extract from 12/16/243 – 72 µg of *Zea mays* unpollinated ovary extract from 12/16/24

M– Marker

ago5a mutant4 – 72 µg of *Zea mays ago5a* adult leaf extract

5 – 72 µg of *Zea mays* ago5a premeiotic (0.2-0.5mm) anthers
M – Marker

Zea mays AGO5a molecular weight: 116 kDa

72 µg/well of total protein (extracted one day before running the gel and stored in -80C) from maize spikelet/ovary/leaf with SII buffer and denatured with exact buffer components at 70 °C/ 10 min. Samples were separated on 4-12% NuPage LDS-PAGE Tris-Acetate 3-8 % gel and blotted for 2 h at 30 V to PVDF membrane (Invitrolon™ PVDF/Filter Paper Sandwiches, 0.45 µm, 8.3 x 7.3 cm), using: wet transfer. Blot was blocked with 5 % milk in TBS-T overnight at 4C with agitation. Blot was incubated in the primary antibody at a dilution of 1:1000 with 5 % milk in 10 mL TBS-T for overnight/RT with agitation. The antibody solution was decanted and the blot was rinsed three times (5 min each) in TBS-T at RT with agitation. Blot was incubated in matching secondary antibody (Goat anti-rabbit IgG (H&L), HRP conjugated) diluted to 1:25000 in 2% milk in TBS-T for 1 h/RT with agitation. The blot was rinsed three times (5 min each) in TBS-T and developed with the Agrisera ECL SuperBright reagent. Exposure time was 5 seconds.

Courtesy Dr. María Ximena Anleu Gil, Meyers Lab | UC Davis Genome Center, USA