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Product no AS21 4536

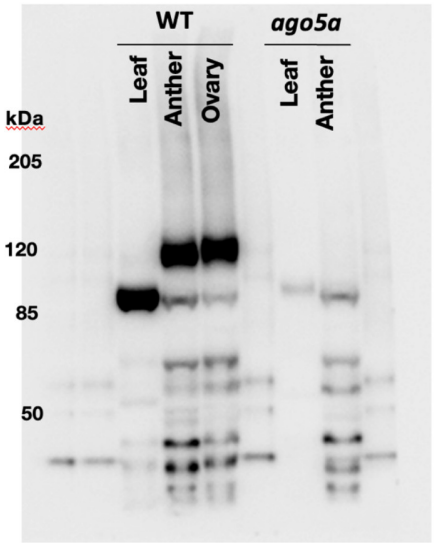
Anti-AGO5a | Argonaute 5a (Z. mays)

Product information

Immunogen	KLH-conjugated peptide derived from AGO5a of *Zea mays*, 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	*Zea mays*
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 extract
2 –72 µg of *Zea mays* premeiotic anthers extract from 12/16/24
3– 72 µg of *Zea mays* unpollinated ovary extract from 12/16/24
M– Marker
ago5a mutant
4 – 72 µg of *Zea mays ago5a* adult leaf extract

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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.