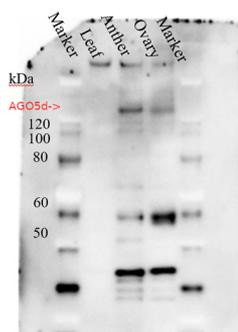


Product no **AS21 4539****Anti-AGO5d | Argonaute 5d (Zea mays)****Product information**

Immunogen	KLH-conjugated peptide derived from <i>Zea mays</i> AGO5d protein sequence, UniProt: A0A1D6KZF1
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	130 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
Additional information	AGO5d is expressed in ovaries and anthers, therefore proper material has to be used for successful antibody detection.
Selected references	To be added when available, antibody available in October 2025.



Samples from left to right:

Marker

Zea mays leaf (negative control), wild type (W23)*Zea mays* anther, wild type (W23)*Zea mays* ovary, unfertilized, wild type (W23)

Marker

Apparent MW of AGO5d: 130 kDa

Protein was extracted from >50mg of *Zea mays* anthers (0.2-0.4mm), ~200mg leaves (mature leaf), and ~300mg unfertilized ovaries with protein extraction buffer¹. Proteins were separated on 4-12% NuPage LDS-PAGE (150V, ~120 min) and transferred overnight (30V, ~17 hr) 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 for 1 hour at RT with agitation. Blot was incubated in the primary antibody at a dilution of 1:250 with 2% milk in 5mL TBS-T for 1 hour at RT with agitation. Blot was washed with TBS-T 3x at RT with agitation (5 min per wash). Blot was incubated in matching secondary antibody (Goat anti-rabbit IgG (H&L), HRP conjugated, [AS09_602](#), Agrisera) diluted to 1:25 000 in 2% milk in TBS-T for 1 h at RT with agitation. The blot was washed with TBS-T 3x at RT with agitation (5 min per wash), then developed with the Agrisera ECL Bright and SuperBright reagents. Exposure time was 30 seconds.

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