Agrisera
Part of Olink® Group

This product is **for research use only** (not for diagnostic or therapeutic use) **contact: support@agrisera.com**

Agrisera AB | Box 57 | SE-91121 Vännäs | Sweden | +46 (0)935 33 000 | www.agrisera.com

Product no AS13 2714

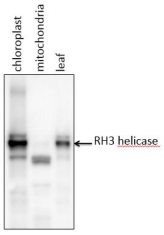
Anti-RH3 | RNA helicase (chloroplastic)

Product information

Immunogen	Recombinant RH3 from *Zea mays*, amino acids 531-691, conserved in *Zea mays* RH3A (GRMZM2G415491_P01) and RH3B (GRMZM2G163072_P01) and *Arabidopsis thaliana* At5g26742
Host	Rabbit
Clonality	Polyclonal
Purity	Serum
Format	Lyophilized
Quantity	50 µl
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 the tubes briefly prior to opening them to avoid any losses that might occur from material adhering to the cap or sides of the tube.

Application information

Recommended dilution	1 : 1000 (WB)
Expected | apparent MW	75 kDa
Confirmed reactivity	*Arabidopsis thaliana*, *Zea mays*
Predicted reactivity	*Panicum italicum, Oryza brachyantha, Oryza sativa, Solanum lycopersicum* Species of your interest not listed? Contact us
Not reactive in	No confirmed exceptions from predicted reactivity are currently known
Selected references	Bach-Pages et al. (2020). Discovering the RNA-Binding Proteome of Plant Leaves With an Improved RNA Interactome Capture Method. Biomolecules. 2020 Apr 24;10(4):E661. doi: 10.3390/biom10040661. Asakura et al. (2012). Chloroplast RH3 DEAD box RNA helicases in maize and Arabidopsis function in splicing of specific group II introns and affect chloroplast ribosome biogenesis. Plant Physiol. 2012 Jul;159(3):961-74. doi: 10.1104/pp.112.197525. Epub 2012 May 10.



5 µg of total seedling leaf protein or from the indicated subcellular fractions from *Zea mays* were separated on 12% SDS-PAGE and blotted to nitrocellulose. Blots were blocked with 4% milk for 1h at room temperature (RT) with agitation. THe blot was incubated in the primary antibody at a dilution of 1: 1000 for 2h at RT with agitation. The antibody solution was decanted and the blot was rinsed briefly twice, then washed once for 15 min and 3 times for 10 min in TBS-T at RT with agitation. Blot was incubated in secondary antibody (goat anti-rabbit IgG conjugated to horse radish peroxidase) diluted to 1:10 000 in for 1h at RT with agitation. The blot was washed as above, and imaged by ECL using a LiCor digital imager with a 1 minute exposure.

Courtesy of Dr. Alice Barkan, University of Oregon, USA