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Product no AS09 527-ALP

Anti-AGO1 | Argonaute 1 (40 µg, ALP-conjugated)

Product information

Immunogen	KLH conjugated, N-terminal peptide of *Arabidopsis thaliana* AGO1 UniProt:Q04379, TAIR: At1g48410.
Host	Rabbit
Clonality	Polyclonal
Purity	Immunogen affinity purified serum in PBS pH 7.4, conjugated to ALP.
Format	Liquid
Quantity	40 µg
Storage	Store at 4°C for 12-18 months. A preservative may be added for long time storage up to 2 years.
Additional information	Antibody binds microRNA and tasiRNAs, preference for 21nt miRNAs with 5'U

Application information

Recommended dilution	1 : 1000 (WB)
Expected | apparent MW	116.4 | 130 kDa
Confirmed reactivity	*Arabidopsis thaliana, Hyacinthus orientalis, Nicotiana benthamiana*
Predicted reactivity	*Brassica pekinensis, Capsella rubella, Glycine max, Malus domestica, Pisum sativum, Ricinus communis, Solanum tuberosum, Zea mays, Vitis vinifera* Species of your interest not listed? Contact us
Not reactive in	*Chlamydomonas reinhardtii, Oryza sativa, Phaseolus vulgaris, Triticum aestivum, Zea mays*
Additional information	AGO expression may be tissue specific and using floral tissue is recommended where most of the AGOs are expressed the highest. Use of proteasome inhibitors as MG132 can help to stabilize AGO proteins during extraction procedure. The AGO1 antibody is extremely specific to AGO1 and does not cross-react with other antibodies. The evidence is 1) the peptide to which it was raised is at the very N-terminus of the protein and is not present in other AGOs 2) aAGO1 does not cross react with the AGOs which are overexpressed (AGO2, AGO3, AGO4, AGO5, AGO6, AGO9) using a western blot. TCA acetone precipitation method