

Datasheet for ABIN1720882 **anti-AGO2 antibody**

[Go to Product page](#)

Overview

Quantity:	50 µg
Target:	AGO2
Reactivity:	Arabidopsis thaliana
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AGO2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	KLH-conjugated synthetic peptide, derived from Arabidopsis thaliana AGO2 protein, UniProt: Q9SHF3, TAIR: AT1G31280
Specificity:	TAIR: At1g48410
Cross-Reactivity (Details):	Not reactive in: Chlamydomonas reinhardtii, Solanum lycopersicum, Zea mays
Predicted Reactivity:	Capsella rubella, Solanum tuberosum
Purification:	serum

Target Details

Target:	AGO2
Alternative Name:	AGO2 (AGO2 Products)
Background:	AGO1 belongs to a group of argonaute proteins which are catalytic component of the RNA-

Target Details

	includes silencing complex (RISC). This protein complex is responsible for the gene silencing (RNAi).
Molecular Weight:	expected: 116.4 kDa, apparent: 130 kDa
UniProt:	Q9SHF3
Pathways:	Fc-epsilon Receptor Signaling Pathway , Regulatory RNA Pathways , EGFR Signaling Pathway , Neurotrophin Signaling Pathway , Ribonucleoprotein Complex Subunit Organization

Application Details

Application Notes:	1: 250 - 1: 500 (WB)
Comment:	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.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	For reconstitution add 50 µL of sterile water.
Handling Advice:	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.
Storage Comment:	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.