

This product is **for research use only** (not for diagnostic or therapeutic use)

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Product no **AS24 5012**

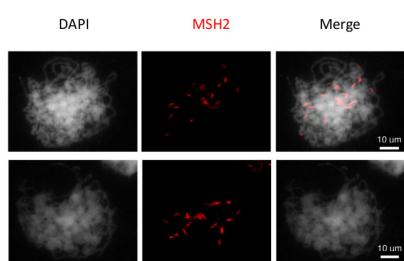
**Anti-MSH2 | DNA mismatch repair protein MSH2**

## Product information

<b>Immunogen</b>	KLH-conjugated peptide derived from MSH2 protein sequence of <i>Arabidopsis thaliana</i> , UniProt: <a href="#">O24617</a> GenID: AT3G18524
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Purity</b>	Antigen affinity purified serum, in PBS pH 7.4
<b>Format</b>	Lyophilized
<b>Quantity</b>	50 µg
<b>Reconstitution</b>	For reconstitution, add 50 µl, of sterile or deionized water.
<b>Storage</b>	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

<b>Recommended dilution</b>	1 : 200 (IF)
<b>Expected   apparent MW</b>	105.5 kDa
<b>Confirmed reactivity</b>	<i>Triticum aestivum</i>
<b>Predicted reactivity</b>	<i>Arabidopsis thaliana</i> , <i>Arachis hypogaea</i> , <i>Capsicum annuum</i> , <i>Citrus</i> sp., <i>Cucumis sativus</i> , <i>Gossypium</i> sp., <i>Malus domestica</i> , <i>Medicago truncatula</i> , <i>Nicotiana tabacum</i> , <i>Pisum sativum</i> , <i>Populus</i> sp., <i>Solanum lycopersicum</i> , <i>Spinacia oleracea</i> , <i>Solanum tuberosum</i> , <i>Theobroma cacao</i>
	Species of your interest not listed? <a href="#">Contact us</a>
<b>Not reactive in</b>	No confirmed exceptions from predicted reactivity are currently known
<b>Selected references</b>	To be added when available, antibody released in February 2026.



### Applied procedure:

Type of material: Meiocytes of *Triticum aestivum*

Fixation: 3:1 (ethanol : acetic acid)

Hydrophilization: no

Cell wall digestion: no

Membrane permeabilization: PBST (PBS1X, 0.1% Triton X-100)

Antigen retrieval: yes

Blocking buffer: 1% BSA in PBST

Washing buffer: PBST

Primary antibody dilution and incubation time: 1:200, 40 H

Secondary antibody: 1:400, 30 min, Thermo Fisher Scientific

Co-staining of the nucleus (DAPI): yes

Cell wall and nucleus staining: no

Courtesy of Floriane Chéron, INRAE UMR1095, France