

Agrisera

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

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Product no **AS10 710A**
H3 | Histone H3 (affinity purified)

Product information

Immunogen	KLH-conjugated synthetic peptide derived from known H3 sequences, including <i>Arabidopsis thaliana</i> H3.3 P59169 (At4g40030 , At4g40040 , At5g10980), H3.2 P59226 (At1g09200 , At3g27360 , At5g10390 , At5g10400 , At5g65360), H3-like 2 Q9FXI7 (At1g19890)
Host	Rabbit
Clonality	Polyclonal
Purity	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.
Additional information	Cellular [compartment marker] of nucleoplasm, loading control antibody for <i>Chlamydomonas reinhardtii</i>

Application information

Recommended dilution	2.5 µg/100 µg of chromatin (ChIP-qPCR), 1 : 5000 (WB)
Expected apparent MW	15 17 kDa
Confirmed reactivity	<i>Arabidopsis thaliana</i>
Predicted reactivity	<i>Brassica oleracea</i> , <i>Capsicum annuum</i> , <i>Chlamydomonas acidophila</i> , <i>Chlamydomonas reinhardtii</i> , <i>Physcomitrella patens</i> , <i>Salicornia europaea</i> , <i>Solanum lycopersicum</i> , <i>Solanum soganardinum</i> , <i>Solanum tuberosum</i> , <i>Vicia faba</i> , <i>Zea mays</i> <i>Brachypodium distachyon</i> , <i>Brassica napus</i> , <i>Hordeum vulgare</i> , <i>Nicotiana tabacum</i> , <i>Malus domestica</i> , <i>Medicago sativa</i> , <i>Nannochloropsis gaditana</i> , <i>Triticum aestivum</i> , <i>Pinus pinaster</i> , <i>Pisum sativum</i> , <i>Oryza sativa</i> , <i>Zea mays</i> , <i>Vitis vinifera</i> , <i>Volvox sp.</i> Species of your interest not listed? Contact us
Not reactive in	No confirmed exceptions from predicted reactivity are currently known.
Additional information	Protocol for isolation of cytosolic and nuclear fractions can be found here . Specific protol for ChIP can be found here: Saleh et al. (2008) . For high resolution images, please visit the specific product page at www.agrisera.com

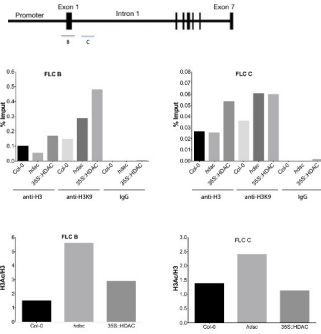
Application example

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Chromatin Immunoprecipitation: using anti-plant Histone 3 polyclonal antibodies. Chromatin from *Arabidopsis thaliana* wilde type, deacetylase mutant and over-expressors was cross-linked using formaldehyde. Chromatin was isolated and DNA was sheared along with the bound protein by sonictaion. DNA-protein complex was immunoprecipitated using affinity purified, polyclonal anti-Histone 3 antibodies. Immunoprecipitated DNA was quantified using quantitative PCR and normalized to the input chromatin. Procedure was according to a protocol described here: [Saleh et al. \(2008\)](#).

Courtesy of Dr. Cristián Holzmann, Catholic University of Chile, Chile