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contact: support@agrisera.com

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

Product no **AS16 3950**
ABP1 | Auxin-binding protein 1

Product information

Immunogen	Purified <i>Zea mays</i> ABP1 protein from mesocotyls and coleoptiles, UniProt: P13689
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 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

Recommended dilution	1 : 20 (IL), 1 : 1000 (WB)
Expected apparent MW	18.4 kDa
Confirmed reactivity	<i>Zea mays</i>
Predicted reactivity	<i>Aegilops tauschii</i> , <i>Arabidopsis thaliana</i> , <i>Avena sativa</i> , <i>Brachypodium distachyon</i> , <i>Capsicum annuum</i> , <i>Cicer arietinum</i> , <i>Citrus sp.</i> , <i>Cucumis melo</i> , <i>Cucumis sativus</i> , <i>Dimocarpus longan</i> , <i>Eucalyptus grandis</i> , <i>Eucommia ulmoides</i> , <i>Elaeis guineensis</i> , <i>Glycine max</i> , <i>Gossypium sp.</i> , <i>Hordeum vulgare</i> , <i>Lotus japonicus</i> , <i>Manihot esculenta</i> , <i>Medicago truncatula</i> , <i>Musa acuminata</i> , <i>Nelumbo nucifera</i> , <i>Nicotiana tabacum</i> , <i>Oryza sativa</i> , <i>Phoenix dactylifera</i> , <i>Populus trichocarpa</i> , <i>Sesamum indicum</i> , <i>Setaria italica</i> , <i>Solanum lycopersicum</i> , <i>Solanum tuberosum</i> , <i>Sorghum bicolor</i> , <i>Spinacia oleracea</i> , <i>Tarenaya hassleriana</i> , <i>Triticum aestivum</i> , <i>Triticum urartu</i> , <i>Vigna radiata</i> , <i>Vitis vinifer</i> , <i>Zea mays</i>
Not reactive in	No confirmed exceptions from predicted reactivity known in the moment.
Selected references	Brown & Jones (1994). Mapping the auxin-binding site of Auxin-binding protein. 1 J Biol Chem 269: 21138-21140, Jones & Herman (1993). KDEL-Containing Auxin-Binding Protein 1 is Secreted to the Plasma Membrane and Cell Wall. Plant Physiol. 101: 595-606, Jones et al. (1991) Red light-regulated growth. I. Changes in the abundance of indoleacetic acid and a 22-kilodalton auxin-binding protein in maize mesocotyl. Plant Physiol 97: 352-358