

Product no **AS09 446****Anti-ABA | Abscisic acid (C1) (for immunolocalization)****Product information**

Immunogen	BSA-conjugated abscisic acid (C1) via C1 carboxyl group
Host	Rabbit
Clonality	Polyclonal
Purity	Total IgG. Protein G purified in PBS with 50 % glycerol.
Format	Liquid
Quantity	200 µg
Storage	Store lyophilized/reconstituted at -20°C; once reconstituted make aliquots to avoid repeated freeze-thaw cycles. Please remember to spin the tubes briefly prior to opening them to avoid any losses that might occur from material adhering to the cap or sides of the tube.

Additional information | ABA | Abscisic acid (C1) (for immunolocalization)**Application information**

Recommended dilution	The optimal working dilution should be determined by the investigator
Confirmed reactivity	Abscisic acid (C1) in <i>Arabidopsis thaliana</i> , <i>Eucalyptus globulus</i> , <i>Petunia hybrida</i> L., <i>Pinus radiata</i> , <i>Populus trichocarpa</i>
Predicted reactivity	Abscisic acid (C1)
Not reactive in	No confirmed exceptions from predicted reactivity are currently known
Additional information	The antibody will recognize either the ABA conjugated to glucose ester (ABA-GE) or the ABA precursor: abscisic acid aldehyde, ABA aldehyde is however not usually present in plant tissue similarly to ABA alcohol which is also reactive, The antibodies will predominantly recognize only ABA and its glucosylester
Selected references	<p>Wojciechowska et al. (2020). Abscisic Acid and Jasmonate Metabolisms Are Jointly Regulated During Senescence in Roots and Leaves of <i>Populus trichocarpa</i>. <i>Int J Mol Sci</i>, 21 (6)</p> <p>Dinis et al. (2018). Kaolin modulates ABA and IAA dynamics and physiology of grapevine under Mediterranean summer stress. <i>J Plant Physiol</i>. 2018 Jan;220:181-192. doi: 10.1016/j.jplph.2017.11.007.</p> <p>Kovaleva et al. (2017). ABA and IAA control microsporogenesis in <i>Petunia hybrida</i> L. <i>Protoplasma</i>. 2017 Nov 13. doi: 10.1007/s00709-017-1185-x.</p> <p>Escandón et al. (2016). Integrated physiological and hormonal profile of heat-induced thermotolerance in <i>Pinus radiata</i>. <i>Tree Physiol</i>. 2016 Jan;36(1):63-77. doi: 10.1093/treephys/tpv127. Epub 2016 Jan 12.</p> <p>Ondzighi-Assoume et al. (2016). Environmental Nitrate Stimulates Root Tip Abscisic Acid Accumulation via Release from Inactive Stores. <i>Plant Cell</i>. 2016 Feb 17. pii: TPC2015-00946-RA.</p> <p>Jesus et al. (2015). Salicylic acid application modulates physiological and hormonal changes in <i>Eucalyptus globulus</i> under water deficit. <i>Environ and Exp Botany</i>, Volume 118, October 2015, Pages 56–66.</p> <p>Lacuesta et al. (2013). Immunolocalization of IAA and ABA in roots and needles of radiata pine (<i>Pinus radiata</i>) during drought and rewatering. <i>Tree Physiol</i>. May;33(5):537-49.</p>