

product **AS10 711**

DEG15 | endopeptidase, peroxisomal marker

product information

background	DEG15 is a peroxisomal Deg-protease with endopeptidase activity. This protease cleaves specifically substrates with Cys in the P1 and P2 position and acts as peroxisomal processing peptidase. Alternative names: At1g28320/F3H9_2
immunogen	synthetic peptide derived from <i>Arabidopsis thaliana</i> DEG15, Q8VZD4
antibody format	rabbit polyclonal affinity purified serum lyophilized
quantity	100 µg for reconstitution add 100 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.
tested applications	western blot (WB)
additional information	to be added when available

application information

recommended dilution	1 : 500 with standard ECL (WB)
expected apparent MW	76 kDa
confirmed reactivity	<i>Arabidopsis thaliana</i> , <i>Citrullus vulgaris</i>
predicted reactivity	dicots including: <i>Solanum lycopersicum</i> , <i>Sorghum vulgare</i> , <i>Ricinus communis</i> , <i>Vitis vinifera</i> , monocots: <i>Oryza sativa</i> , <i>Zea mays</i> , trees: <i>Populus balsamifera</i> , moss: <i>Physcomitrella patens</i> , algae: <i>Micromonas</i> sp.
not reactive in	no confirmed exceptions from predicted reactivity known in the moment
additional information	to be added when available
selected references	Schuhmann et al. (2008). The DEG15 serine protease cleaves peroxisomal targeting signal 2-containing proteins in Arabidopsis. <i>Plant Physiol.</i> 4: 1847-1856. Helm et al. (2007). Dual specificities of the glyoxysomal/peroxisomal processing protease Deg15 in higher plants. <i>PNAS</i> 27: 11501-11506.