

# Agrisera

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

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product **AS13 2751**

## EDS1 | Enhanced disease susceptibility 1

### product information

<b>Background</b>	<b>EDS1 (Enhanced disease susceptibility 1)</b> is a protein with lipase activity involved in aerenchyma formation, lipid metabolic process, response to hypoxia and systemic acquired resistance. Alternative names: Putative disease resistance protein EDS1, Putative uncharacterized protein T17F15.40.
<b>Immunogen</b>	<u>KLH</u> -conjugated synthetic peptide derived from <i>Arabidopsis thaliana</i> EDS1 sequence, UniProt: <a href="#">Q9SU72</a> , TAIR: <a href="#">AT3G48090</a>
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Purity</b>	Affinity purified serum in PBS, pH 7.4
<b>Format</b>	Lyophilized in PBS pH 7.4
<b>Quantity</b>	50 µg
<b>Reconstitution</b>	For reconstitution add 50 µl of sterile 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.
<b>Tested applications</b>	Western blot (WB)
<b>Related products</b>	<a href="#">collection of antibodies to pathogen attack</a> <a href="#">collection of antibodies to hypoxia</a>  <a href="#">Plant protein extraction buffer</a>  <a href="#">Secondary antibodies</a>

### Application information

<b>Recommended dilution</b>	1 : 3000 (WB)
<b>Expected   apparent MW</b>	71.6 kDa   72 kDa
<b>Confirmed reactivity</b>	<i>Arabidopsis thaliana</i>
<b>Predicted reactivity</b>	<i>Arabidopsis thaliana</i>
<b>Not reactive in</b>	<i>Nicotiana benthamiana</i>
<b>Additional information</b>	
<b>Selected references</b>	<a href="#">Chakraborty et al. (2018)</a> . Epigenetic and transcriptional control of chickpea WRKY40 promoter activity under Fusarium stress and its heterologous expression in Arabidopsis leads to enhanced resistance against bacterial pathogen. Plant Science, doi.org/10.1016/j.plantsci.2018.07.014

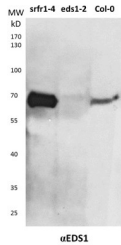
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## application example



20  $\mu$ g of total protein from *Arabidopsis thaliana* extracted with HEPES buffer were separated on 8% SDS-PAGE and blotted 1h to PVDF using semi-dry or tank transfer. Blots were blocked with 5% milk-TBS-T for 1h at room temperature (RT) with agitation. Blot was incubated in the primary antibody at a dilution of 1:3000 for 1h at RT with agitation. The antibody solution was decanted and the blot was rinsed briefly twice, then washed once for 15 min and 3 times for 5 min in TBS-T at RT with agitation. Blot was incubated in secondary antibody (anti-rabbit IgG horse radish peroxidase conjugated) diluted to 1:25 000 in for 1h at RT with agitation. The blot was washed as above and developed for 5 min with ECL according to the manufacturer's instructions. Exposure time was 15 minutes.

Courtesy of Morgan K. Halane, University of Missouri, USA