

product **AS05 075**

### SHMT | serine hydroxymethyltransferase

#### product information

<b>background</b>	Serine hydroxymethyltransferase ( <b>SHMT</b> ) is part of the mitochondrial enzyme complex.
<b>immunogen</b>	purified SHMT protein from <i>Spinacia oleracea</i>
<b>antibody format</b>	rabbit polyclonal total IgG in PBS pH 7.4 lyophilized
<b>quantity</b>	200 µl for reconstitution add 200 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>additional information</b>	to be added when available

#### application information

<b>recommended dilution</b>	1:5 000 with standard ECL (WB)
<b>expected   apparent MW</b>	53 kDa ( <i>Arabidopsis thaliana</i> )
<b>confirmed reactivity</b>	<i>Arabidopsis thaliana</i> , <i>Spinacia oleracea</i>
<b>predicted reactivity</b>	dicots including: <i>Glycine max</i> , <i>Medicago truncatula</i> , <i>Pisum sativum</i> , <i>Ricinus communis</i> , <i>Solanum tuberosum</i> , <i>Vitis vinifera</i> , monocots: <i>Hordeum vulgare</i> , trees: <i>Populus balsamifera</i>
<b>not reactive in</b>	no confirmed exceptions from predicted reactivity known in the moment
<b>additional information</b>	this antibody can be used on total leaf extracts and isolated mitochondria
<b>selected references</b>	to be added when available

## application example

total leaf extract from *Arabidopsis thaliana* has been loaded per lane based on a leaf disc area. Primary antibody has been used in dilution 1: 5000 following detection using standard ECL. c

