

Product no **AS06 186****Gamma-ECS | Gamma glutamylcysteine synthase****Product information**

<b>Immunogen</b>	KLH-conjugated synthetic peptide derived from C-terminal part of <i>Zea mays</i> gamma-ECS <a href="#">Q8W4W3</a>
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Purity</b>	Total IgG. Protein G purified in PBS pH 7.4.
<b>Format</b>	Lyophilized
<b>Quantity</b>	100 µl
<b>Reconstitution</b>	For reconstitution add 100 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 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.
<b>Additional information</b>	Total IgG concentration is 5,2 µg/ µl

**Application information**

<b>Recommended dilution</b>	1 : 5000 (IL), 1 : 5000 (WB)
<b>Expected   apparent MW</b>	50 kDa
<b>Confirmed reactivity</b>	<i>Arabidopsis thaliana</i> , <i>Nicotiana tabacum</i> , <i>Salicornia</i> sp., <i>Solanum lycopersicum</i> , <i>Zea mays</i>
<b>Predicted reactivity</b>	<i>Marchantia polymorpha</i> , <i>Pisum sativum</i> , <i>Ricinus communis</i> , <i>Oryza sativa</i> , <i>Triticum aestivum</i> Species of your interest not listed? <a href="#">Contact us</a>
<b>Not reactive in</b>	No confirmed exceptions from predicted reactivity are currently known
<b>Additional information</b>	Antibodies has been used in immunolocalization on <i>Arabidopsis thaliana</i> .
<b>Selected references</b>	<a href="#">Shull</a> et al. (2019). Anatase TiO <sub>2</sub> nanoparticles induce autophagy and chloroplast degradation in thale cress ( <i>Arabidopsis thaliana</i> ). <i>Environ Sci Technol</i> . 2019 Jul 29. doi: 10.1021/acs.est.9b01648. <a href="#">Balážová</a> et al. (2018). Zinc oxide nanoparticles phytotoxicity on halophyte from genus <i>Salicornia</i> . <i>Plant Physiol Biochem</i> . 2018 Sep;130:30-42. doi: 10.1016/j.plaphy.2018.06.013. <a href="#">Sobrinho-Plata</a> et al. (2014). Glutathione is a key antioxidant metabolite to cope with mercury and cadmium stress. <i>Plant Soil</i> , DOI 10.1007/s11104-013-2006-4. <a href="#">Ghanta</a> et al. (2011). <i>Nicotiana tabacum</i> overexpressing -ECS exhibits biotic stress tolerance likely through NPR1-dependent salicylic acid-mediated pathway. <i>Planta</i> 233(5):895-910.