

Product no **AS11 1811****Gamma-glutamyl-cysteine****Product information**

<b>Immunogen</b>	<b>-glutamyl-cysteine</b> (gamma-EC) linked by glutaraldehyde
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Purity</b>	Immunogen affinity purified serum in PBS pH 7.4.
<b>Format</b>	Lyophilized
<b>Quantity</b>	2x100 µg
<b>Reconstitution</b>	For reconstitution add 100 µl of sterile water per tube
<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.

**Application information**

<b>Recommended dilution</b>	1 : 50 (ICC), (IG)
<b>Confirmed reactivity</b>	<i>Arabidopsis thaliana</i> , <i>Cucurbita pepo</i> L. subsp. <i>peop</i> var. <i>styriaca</i> Greb, <i>Nicotiana tabacum</i> cv. <i>samsun</i>
<b>Predicted reactivity</b>	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>	Immunogold labeling for electron microscopy  Block ultrathin sections (80nm) prepared for immunogold labeling with 2% bovine serum albumine (BSA) in phosphate buffered saline (PBS, pH 7.2). Then treat the sections with the primary antibody (anti- -glutamylcysteine rabbit polyclonal IgG) diluted 1:50 in PBS containing 1% BSA for 2 h at room temperature. After a short rinse in PBS (3 X 5 min), incubate samples with a gold-conjugated secondary antibody (goat anti-rabbit IgG; eg. 10nm) diluted 1:50 in PBS including 1% BSA for 90 min at room temperature. After a short wash in PBS (2 X 5 min), and distilled water (3 X 5 min) observe grids under a transmission electron microscope.
<b>Selected references</b>	<a href="#">Koffler</a> et al. (2011). Subcellular distribution of glutathione precursors in <i>Arabidopsis thaliana</i> . <i>Journal of Integrative Plant Biology</i> . 53: 930-941.