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This product is **for research use only** (not for diagnostic or therapeutic use) **contact: support@agrisera.com**

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Product no AS11 1811

Gamma-glutamyl-cysteine

Product information

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

Recommended dilution	1 : 50 (ICC), (IG)
Confirmed reactivity	*Arabidopsis thaliana, Cucurbita pepo L.* subsp. peop var. styriaca Greb*, Nicotiana tabacum* cv. samsun
Predicted reactivity	Species of your interest not listed? Contact us
Not reactive in	No confirmed exceptions from predicted reactivity are currently known
Additional information	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.
Selected references	Koffler et al. (2011). Subcellular distribution of glutathione precusors in Arabidopsis thaliana. Journal of Integrative Plant Biology. 53: 930-941.