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Product no AS06 186

Gamma-ECS | Gamma glutamylcysteine synthase

Product information

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

Application information

Recommended dilution	1 : 5000 (IL), 1 : 5000 (WB)
Expected | apparent MW	50 kDa
Confirmed reactivity	*Arabidopsis thaliana, Nicotiana tabcum, Salicornia* sp., *Solanum lycopersicum, Zea mays*
Predicted reactivity	*Marchantia polymorpha, Pisum sativum, Riciuns communis, Oryza sativa, Triticum aestivum* Species of your interest not listed? Contact us
Not reactive in	No confirmed exceptions from predicted reactivity are currently known
Additional information	Antibodies has been used in immunolocalization on *Arabidopsis thaliana.*
Selected references	Shull et al. (2019). Anatase TiO2 nanoparticles induce autophagy and chloroplast degradation in thale cress (Arabidopsis thaliana). Environ Sci Technol. 2019 Jul 29. doi: 10.1021/acs.est.9b01648. Balážová et al. (2018). Zinc oxide nanoparticles phytotoxicity on halophyte from genus Salicornia. Plant Physiol Biochem. 2018 Sep;130:30-42. doi: 10.1016/j.plaphy.2018.06.013. Sobrino-Plata et al. (2014). Glutathione is a key antioxidant metabolite to cope with mercury and cadmium stress. Plant Soil, DOI 10.1007/s11104-013-2006-4. Ghanta et al. (2011). Nicotiana tabacum overexpressing -ECS exhibits biotic stress tolerance likely through NPR1-dependent salicylic acid-mediated pathway. Planta 233(5):895-910.