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Product no AS06 183

Anti-GS | Glutathione synthase, GSH-S

Product information

Immunogen	KLH-conjugated synthetic peptide derived from *Zea mays* GSH-S sequence Q8W4W2
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 3,7 µg/µl

Application information

Recommended dilution	1 : 2000 (WB)
Expected | apparent MW	45 kDa
Confirmed reactivity	*Brassica campestris, Nicotiana tabacum, Oryza sativa, Phaeodactylum tricornutum, Solanum lycopersicum, Zea mays*
Predicted reactivity	*Aegilops tauschii, Arabidopsis thaliana, Arundo donax, Asparagus officinalis, Brachypodium distachyon, Capsicum annuum, Cicer arietinum, Citrus clementina, Corchorus olitorius, Cucumis sativus, Daucus carota subsp. sativus, Dimocarpus longan, Eucalyptus grandis, Gossypium hirsutum , Helianthus annuus , Hevea brasiliensis, Hordeum vulgare, Jatropha curcas, Lotus japonicus, Lupinus angustifolius, Lycium chinense, Musa acuminata, Nelumbo nucifera, Nicotiana tabacum, Nicotiana sylvestris, Pisum sativum, Setaria italica, Sorghum bicolor, Spinacia oleracea, Triticum aestivum, Zostera marina, Vitis vinifera* Species of your interest not listed? Contact us
Not reactive in	*Galdieria sulphuraria*
Additional information	Immunolocalization has been done for *Arabidopsis thaliana* and *Nicotiana tabacum*
Selected references	Sun et a. (2019). Comparative Transcriptome Analysis of the Molecular Mechanism of the Hairy Roots of Brassica campestris L. in Response to Cadmium Stress. Int J Mol Sci. 2019 Dec 26;21(1). pii: E180. doi: 10.3390/ijms21010180. Jayawardena et al. (2016). Elevated CO2 plus chronic warming reduces nitrogen uptake and levels or activities of nitrogen -uptake and -assimilatory proteins in tomato roots. Physiol Plant. 2016 Nov 28. doi: 10.1111/ppl.12532. [Epub ahead of print] Baojian et al. (2014). Maize (Zea mays L.) seedling leaf nuclear proteome and differentially expressed proteins between a hybrid and its parental lines. Proteomics, DOI: 10.1002/pmic.201300147. Gomez et al. (2004) Intercellular distribution of glutathione synthesis in maize leaves and its response to short term chilling. Plant Physiol. 134: 1662-1671.