

Agrisera

This product is **for research use only** (not for diagnostic or therapeutic use)

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Product no **AS09 479**

GST class-phi | Glutathione S tranferase

Product information

Immunogen	KLH-conjugated synthetic peptide derived from <i>Arabidopsis thaliana</i> UniProt: P46422 , TAIR: At4g02520
Host	Rabbit
Clonality	Polyclonal
Purity	Serum
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 tubes briefly prior to opening them to avoid any losses that might occur from lyophilized material adhering to the cap or sides of the tubes.
Additional information	0.1 % sodium azide is added as preservative. For antibody re-suspending information check the tube label. Antibodies will detect target protein in a few µg of a crude preparation loaded per well. If purified preparations of vacuolar and plasma membranes are used, one µg load per well should be sufficient.

Application information

Recommended dilution	1 : 8000 (ELISA), 1 : 1000 (WB)
Expected apparent MW	24 26 kDa
Confirmed reactivity	<i>Arabidopsis thaliana</i> , <i>Liquidambar formosa</i> , <i>Schima superba</i>
Predicted reactivity	<i>Arabidopsis lyRatha</i> , <i>Brassica juncea</i> , <i>Brassica rapa</i> , <i>Bruguiera gymnorhiza</i> , <i>Capsella rubella</i> , <i>Capsicum annuum</i> , <i>Capsicum chinense</i> , <i>Gossypium hirsutum</i> , <i>Hyoscyamus muticus</i> , <i>Nicotiana sylvestris</i> , <i>Noccaea caerulea</i> , <i>Physcomitrella patens</i> , <i>Solanum commersonii</i> , <i>Solanum tuberosum</i> , <i>Vigna radiata</i> var. <i>radiata</i> Species of your interest not listed? Contact us
Not reactive in	No confirmed exceptions from predicted reactivity are currently known.
Additional information	Protein or membrane sample should be treated at 70 °C for 10 min before loading on the gel. Diluted antibody solution can be used 2 to 3 times within one month if it contains 0.1 % sodium azide as preservative and is stored at -20°C to -80°C. Manufacture by Operon Biotechnologies. For high resolution images, please visit the specific product page at www.agrisera.com
Selected references	Sun et al. (2019). Comparative Transcriptome Analysis of the Molecular Mechanism of the Hairy Roots of <i>Brassica campestris</i> L. in Response to Cadmium Stress. <i>Int J Mol Sci.</i> 2019 Dec 26;21(1). pii: E180. doi: 10.3390/ijms21010180.

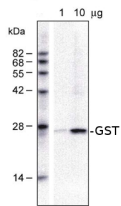
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Application example



1 µg and 10 µg of crude membrane fraction/lane from *Arabidopsis thaliana* were separated on 12 % **SDS-PAGE** and blotted 1h to PVDF membrane (40 min. at 10 V using BioRad semidry transfer). Filters were blocked 1h with 5 % low-fat **milk powder** in TBS-T (0.05% Triton X.100). Membranes were washed 5 times with TBS-T, each time in a fresh polystyrene box and probed with anti-GST antibodies (AS09 479, **1:1000**, 1h) and secondary anti-rabbit (**1:1000**, 1 h). Detection was done using chemiluminescence. All steps were performed in RT with agitation.