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Product no AS19 4295

MS | Malate synthase, (glyoxysomal)

Product information

Immunogen	KLH-conjugated peptide derived from *Cucurbita maxima* UniProt: P24571
Host	Rabbit
Clonality	Polyclonal
Purity	Serum
Format	Lyophilized
Quantity	50 µl
Reconstitution	For reconstitution add 50 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.

Application information

Recommended dilution	1 : 1000 (WB)
Expected | apparent MW	65 kDa
Confirmed reactivity	*Nicotiana tabacum*
Predicted reactivity	*Arabidopsis thaliana, Cajanus cajan, Cinnamomum micranthum f. kanehirae, Cucumis sativus, Cucurbita maxima, Fagus sylvatica, Glycine max, Jatropha curcas, Morus notabilis, Mucuna pruriens, Parasponia andersonii, Populus alba x tremula, Theobroma cacao, Trema orientale* Species of your interest not listed? Contact us
Not reactive in	*Sorghum bicolor*
Additional information	**Experimental contitions:** 5 µg of total protein extracted freshly from 3-4 weeks old plant leaves with a blender at 4 °C in 300 mM Sorbitol, 50 mM HEPES, 5mM $MgCl_2$. Separated on 10 % SDS-PAGE and blotted 1h to PVDF, semi-dry. Blot was blocked with 6 % milk for 1h 4°C with agitation. Blot was incubated in the primary antibody at a dilution of 1: 1 000 ON at 4°C with agitation. According to South et. al (2019).
Selected references	South et. al (2019). Synthetic glycolate metabolism pathways stimulate crop growth and productivity in the field. Science 2019 Jan 4;363(6422), DOI: 10.1126/science.aat9077