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Product no AS06 182

GLDH | Galactono-1,4 lactone dehydrogenase

Product information

Immunogen	Recombinant C-terminal of *Zea mays* GLDH, UniProt: C0HFL3
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 6,8 µg/µl

Application information

Recommended dilution	1 : 5000 (WB)
Expected | apparent MW	68 kDa
Confirmed reactivity	*Avena sativa, Glycine max, Hordeum vulgare, Helianthus annuus, Oryza sativa, Zea mays*
Predicted reactivity	*Arabidopsis thaliana, Zostera marina* Species of your interest not listed? Contact us
Not reactive in	No confirmed exceptions from predicted reactivity are currently known
Additional information	Mitochondrial, membrane or meristematic fractions were shown to be richer in GLDH expression
Selected references	Chen et al. (2019). Composition of Mitochondrial Complex I during the Critical Node of Seed Aging in Oryza sativa. Journal of Plant Physiology Volume 236, May 2019, Pages 7-14. Schimmeyer et al. (2016). L-Galactono-1,4-lactone dehydrogenase is an assembly factor of the membrane arm of mitochondrial complex I in Arabidopsis. Plant Mol Biol. 2016 Jan;90(1-2):117-26. doi: 10.1007/s11103-015-0400-4. Epub 2015 Oct 31. Ostaszewska-Bugajska et al. (2016). Changes in the OXPHOS system in leaf and root mitochondria of Arabidopsis thaliana subjected to long-term sulphur deficiency. Acta Physiologiae Plantarum 38:141. Bartoli et al. (2005). Ascorbate content in wheat leaves is not determined by maximal L-galactono-1, 4-lactone dehydrogenase (GalLDH) activity under drought stress. Plant Cell Environ 28:1073-1081.