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Product no AS20 4500

Anti-Phy | Phytochrome (clone Oat-25)

Product information

Immunogen	Phytochrome
Host	Mouse
Clonality	Monoclonal
Subclass/isotype	IgG
Purity	Immunoglobulin Protein G purified, in PBS pH 7.4, 150 mM NaCl, 0.05 % of sodium azide.
Format	Liquid
Quantity	100 µg
Storage	Store at -20°C; 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	assay dependent
Expected | apparent MW	124 kDa
Confirmed reactivity	*Avena sativa, Pisum sativum*!!AIR8!!*Avena sativa, Pisum sativum*
Predicted reactivity	graminae, fabaceae Species of your interest not listed? Contact us
Not reactive in	No confirmed exceptions from predicted reactivity are currently known
Additional information	Epitope recognized by this antibody is located at N-terminus of phytochrome, This domain undergoes conformational change when phytochrome is interconverted between the red and far-red absorbing forms
Selected references	Pavlovič et al. (2024). Diethyl ether anaesthesia inhibits de-etiolation of barley seedlings by locking them in intermediate skoto-photomorphogenetic state. Physiol Plantarum, Volume176, Issue 1. Pratt et al. (1988). Mapping of antigenic domains on phytochrome from etiolated Avena sativa L. by immunoblot analysis of proteolytically derived peptides. Arch Biochem Biophys. 267(2):723-35. doi: 10.1016/0003-9861(88)90081-1. Cordonnier et al. (1983). Production and purification of monoclonal antibodies to Pisum and Avena phytochrome. Planta. 158(4):369-76. doi: 10.1007/BF00397340.