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Product no AS24 5049

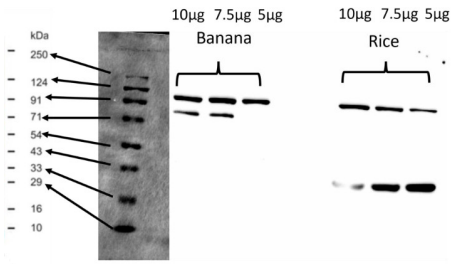
anti-HSP90 | Heat shock protein 90 (cytoplasmic, monocot)

Product information

Immunogen	KLH-conjugated peptide derived from monocotyl HSP90 protein sequences including *Oryza sativa*, UniProt: Q0J4P2
Host	Rabbit
Clonality	Polyclonal
Purity	Antigen affinity purified serum, in PBS pH 7.4
Format	Lyophilized
Quantity	50 µg
Reconstitution	For reconstitution, add 50 µl of sterile or deionized 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.

Application information

Recommended dilution	1 : 5000 (WB)
Expected | apparent MW	90 kDa
Confirmed reactivity	*Musa paradisiaca, Oryza sativa*
Predicted reactivity	*Hordeum vulgare, Triticum aestivum* Species of your interest not listed? Contact us
Not reactive in	No confirmed exceptions from predicted reactivity are currently known
Selected references	To be added when available, antibody released in February 2026.



15-25 µg/well for rice and 5-10 µg/well for banana of total protein was extracted freshly from leaf sample (rice leaf taken from field; banana leaf taken from soil pot). Exact buffer components were 50mM Tris-Cl (ph 7.5), 150 mM NaCl, 10 mM MgCl2, 1 mM EDTA (pH 8.0), 10% Glycerol 0.1% Nonidet P40, 14 mM 2-betamercaptoethanol, 1X protein inhibitor cocktail, 40 µM MG132, and denatured at 95 °C for 10 min. Samples were separated in the RT at 10% SDS-PAGE and blotted for 3 h at 4°C at 300mA to nitrocellulose (pore size of 0.45 um), using wet transfer in the cold. Blot was blocked with 5% BSA for 2h/RT with agitation. Blot was incubated in the primary antibody at a dilution of 1: 5000 with agitation in PBS-T for ON/4°C. The antibody solution was decanted and the blot was washed once for 15 min and 3 times for 5 min in PBS-T at RT with agitation. Blot was incubated in matching secondary antibody (anti-rabbit IgG horse radish peroxidase conjugated) diluted to 1: 10 000 in for 2h/RT with agitation. The blot was washed as above and developed with a following chemiluminescent detection reagent. Exposure time was 2 minutes.

Courtesy of Dr. Jogindra Naik, Plant Metabolic Engineering Group National Institute of Plant Genome Research, New Delhi, India