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Product no AS15 2833

PAB | protein in chloroplast atpase biogenesis

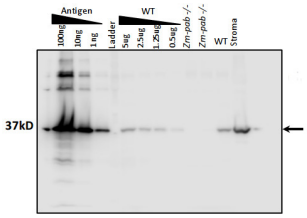
Product information

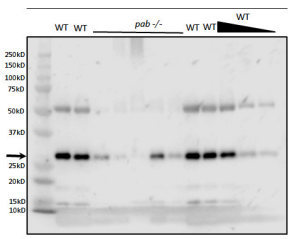
Immunogen	Recombinant PAB from *Zea mays*, GRMZM2G110258
Host	Rabbit
Clonality	Polyclonal
Purity	Serum
Format	Lyophilized
Quantity	50 µl
Reconstitution	For reconstitution add 50 µl of sterile water
Storage	Store lyophilized/reconstituted at -20°C; once reconstituted make aliquots to avoid repeated freeze-thaw 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	35 kDa (without transit peptide)
Confirmed reactivity	*Arabidiopsis thaliana, Zea mays*
Predicted reactivity	*Brachypodium distachyon, Gossypium raimondii, Hordeum vulgare, Oryza sp., Saccharum hybrid cultivar R570, Setaria italica, Sorghum bicolor, Theobroma cacao, Triticum aestivum* Species of your interest not listed? Contact us
Not reactive in	No confirmed exceptions from predicted reactivity are currently known

application information





Lanes contain ~5 µg of total protein from *Zea mays* seedling leaves (upper image), *Arabidopsis thaliana* seedling leaves (lower image), or isolated chloroplast stroma. Leaf extract from homozygous pab mutants (hypomorphic alleles), and purified recombinant antigen were analyzed as controls. Proteins were separated on 12% SDS-PAGE and blotted overnight to nitrocellulose using tank transfer. Blots were blocked for 45 min at room temperature (RT) in TBST +4% dry milk with agitation. The blot was incubated in the primary antibody at a dilution of 1: 1 000 for 2h at RT with agitation. The antibody solution was decanted and the blot was rinsed twice in TBST, then washed three times for 10 min in TBST at RT with agitation. The blot was incubated in secondary antibody (anti-rabbit IgG horse radish peroxidase conjugated, from Agrisera, AS09 602) diluted to 1:10 000 in TBST +1% dry milk for 1h at RT with agitation. The blot was washed as above and incubated for ~2 minutes in ECL reagents prior to imaging with a LiCor digital imager. Exposure time was ~30 seconds.

Courtesy of Dr. Alison Barkan, The University of Oregon, USA