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Product no AS14 2764

Anti-KrP | Kelch repeat-containing protein / galactose oxidase (At3g07720)

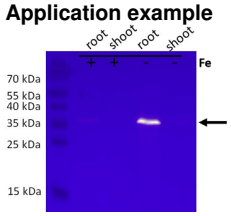
Product information

Immunogen	Recombiant KrP derived from *Arabidopsis thaliana* sequence, UniProt: Q9S7W4, TAIR: At3g07720
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.
Additional information	KrP (NSL1) and NSP5 (nitrile-specifier protein 5) share 53% of amino acid sequence, thus the antibody might also recognize NSP5 from different plant species

Application information

Recommended dilution	1 : 2000 (WB)
Expected | apparent MW	35.7 kDa
Confirmed reactivity	*Arabidopsis thaliana*
Not reactive in	No confirmed exceptions from predicted reactivity are currently known
Additional information	This antibody will also bind to recombinant KrP (range 10 ng - 1 µg)

Application example



15 µg of total protein from *Arabidopsis thaliana* Col-0 root or shoot grown on plates with (+) or without iron (-) extracted and denatured with 2X Laemmli buffer (100 mM Tris pH 6.8; 12 % glycerol, 0.01 % bromophenolblue, 2 % -mercaptoethanol, 4 % SDS) at 95°C for 5 min followed by 5 min on ice. Samples were separated on 4-20 % Mini-PROTEAN TGX Stain-Free gel and blotted 60 min to nitrocelulose membrane using wet transfer. Blots were blocked with 5% milk powder dissolved in TBST for 30 min at room temperature (RT) with agitation. Blot was incubated in the primary antibody at a dilution of 1: 2000 for 60 min at RT with agitation. The antibody solution was decanted and the blot was rinsed briefly twice, then washed three times for 15 min in TBST buffer at RT with agitation. Blot was incubated in secondary antibody (anti-rabbit IgG horse radish peroxidase conjugated, from Agrisera) diluted to 1:4000 in for 60 min at RT with agitation. The blot was washed as above and developed for 2 min with chemiluminescent detection reagent, using the FluorChem Q (protein simple) detection system. Exposure time was 3.2 seconds.