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Product no AS11 1764

Anti-STM | Homeobox protein SHOOT MERISTEMLESS

Product information

Immunogen KLH-conjugated peptide chosen from Arabidopsis thaliana STM protein sequence, UniProt: Q38874, TAIR: At1g62360

Host Rabbit

Clonality Polyclonal

Purity Immunogen affinity purified serum in PBS pH 7.4.

Format Lyophilized

Quantity 50 μg

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

42.7 kDa

Predicted reactivity Brassica napus

Not reactive in No confirmed exceptions from predicted reactivity are currently known

application example



10 µg of total protein from *Arabidopsis thaliana* seedling tissue extracted with Exractions buffers 1 or 2 (see below) were separated on 10 % SDS-PAGE and blotted 1h to PVDF using semi-dry transfer. Blots were blocked with milk for 2h at room temperature (RT) with agitation. Blot was incubated in the primary antibody at a dilution of 1: 1000 in milk overnight at 4 °C with agitation. The antibody solution was decanted and the blot was rinsed twice with milk, then washed once for 5 mins with PBS, 10 mins with 2% milk + PBST, 5 mins with PBST at RT with agitation. Blot was incubated in secondary antibody (goat anti-rabbit IgG horse radish peroxidase conjugated, from Agrisera <u>AS09 602</u>) diluted to 1:75 000 in for 1h at RT with agitation. The blot was washed as above and developed for 5 min with ECL according to the manufacturer's instructions. Exposure time was variable.

Extraction buffers:

- $1.\,50 \text{mM tris-acetate pH}\,7.9\,100 \text{mM potassium acetate}\,20\%\,glycerol\,1 \text{mM EDTA}\,1 \text{mM DTT}\,1 x\,Roche\,Protease\,inhibitor\,cocktail$
- 2. 100mM tris-cl pH 7.5 75mM Nacl 15mM EGTA 15mM MgCl2 1mM DTT 400 mM B glycophosphate 1x protease inhibitor cocktail NaFl, Na pyrophosphate, Na vanadate.

Courtesy Dr. Simon Scofield, Cardiff University, UK