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Product no AS15 3030

Anti-NodGS | Nodulin / glutamate-ammonia ligase-like protein

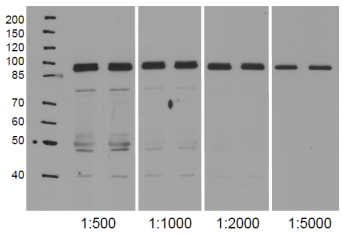
Product information

Immunogen	KLH-conjugated synthetic peptide derived from a C-terminal of *Arabidopsis thaliana* NodGS, UniProt: Q8W473 , TAIR: AT3G53180
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 : 300-1 :400 (IP), 1 : 3000 (IF), 1 : 2000 (WB)
Expected | apparent MW	94 | 90 kDa
Confirmed reactivity	*Arabidopsis thaliana*
Predicted reactivity	*Medicago truncatula, Theobroma cacao* Species of your interest not listed? Contact us
Not reactive in	No confirmed exceptions from predicted reactivity are currently known
Selected references	Doskocilova et al. (2011). A nodulin/glutamine synthetase-like fusion protein is implicated in the regulation of root morphogenesis and in signalling triggered by flagellin. Planta 234, 459–476. doi: 10.1007/s00425-011-1419-7

Application example



4,5 of total protein (supernatant after 1h at 25.000 xg) from *Arabidopsis thaliana* suspension culture extracted with 50mM HEPES pH 7,5/75mM NaCl/1mM EGTA/1mM MgCl2/1mM NaF in the presence of protease inhibitors were separated on 8 % SDS-PAGE and blotted 1,5h to a nitrocellulose membrane using tank transfer. Blots were blocked with 5% milk for 1h at room temperature (RT) with agitation. Blot was incubated in the primary antibody at a dilution of 1: 500, 1:1000, 1:2.000, and 1:5000 overnight at 4°C without agitation. The antibody solution was decanted and the blot was rinsed, then washed 3 times for 10 min in TBS-T at RT with agitation. Blot was incubated in secondary antibody (anti-rabbit IgG horse radish peroxidase conjugated) diluted to 1:10 000 in 5% milk for 30 min at RT with agitation. The blot was washed as above and developed for 1 min with chemiluminescent detection reagent. Exposure time was 15 seconds.

Courtesy of Dr. Jana Chumová, Laboratoř funkční cytologie, Czech Republic