Agrisera AB | Box 57 | SE-91121 Vännas | Sweden | +46 035 33033 | www.agrisera.com

product **AS09 580**

aadA1 | aminoglycoside adenyltransferase (chloroplast transformation marker)

product information

background	**aadA** - aminoglycoside 3"adenyltransferase is an enzyme with nucleotidyltransferase activity. Plastid transformation in tobacco involves expression of aadA cassette, which confers resistance to spectinomycin and streptomycin and allows for transformat selection.
immunogen	KLH-conjugated peptide derived from known aadA1 sequences
antibody format	rabbit; polyclonal; serum; lyophilized
quantity	100 µl - for reconstitution add 100 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 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.
tested applications	Western blot (WB)
additional information	to be added when available

application information

recommended dilution	1: 3 000 with standard ECL (WB)
expected | apparent MW	30 | 30 kDa
confirmed reactivity	aadA casesette in *Nicotiana tabacum*
predicted reactivity	aadA cassette
not reactive in	no confirmed exceptions from predicted reactivity known in the moment
additional information	to be added when available
selected references	to be added when available, antibody available in July 2010

application example

10 µg of chlorophyll/well from *Nicotiana tabacum* transformed with aadA cassette **(1,2,3)** and*Nicotiana tabacum* soluble cell extract from non-transformed plants **(4)** extracted with were separated on**8 % acrylamide-8M urea gels** and blotted 1h to **nitrocellulose membrane**. Filters were blocked 1 h with 5% dry milk in 1 x PBS and probed with anti-aadA antibody (AS09 580, 1: 2500, 1h) and secondary HRP-conjugated anti-rabbit antibody (1: 10 000, 1 h) in 1 x PBS containing 5% dry milk. All steps were performed at RT with agitation. Signal was detected with standard ECL (GE Healthcare), exposure time was 7 seconds.

Courtesy of Dr. Yves Choquet