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Product no AS21 4613

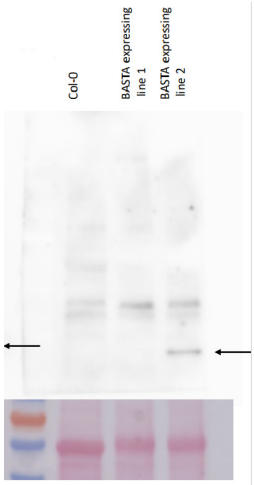
BAR | Phosphinothricin N-acetyltransferase (36-50)

Product information

Immunogen	KLH-conjugated peptide derived from position 36-50 of Phosphinothricin N-acetyltransferase (BAR or BASTA), UniProt: P16426
Host	Rabbit
Clonality	Polyclonal
Purity	Antigen affinity purified serum, in PBS pH 7.4
Format	Lyophilized
Quantity	50 µg
Reconstitution	For reconstitution add 50 µl, of sterile or deionized 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.

Application information

Recommended dilution	1 : 1000 (WB)
Expected | apparent MW	20.6 kDa
Confirmed reactivity	BAR (BASTA)
Predicted reactivity	*Streptomyces viridochromogenes* Species of your interest not listed? Contact us
Not reactive in	No confirmed exceptions from predicted reactivity are currently known
Additional information	BAR (BASTA) gene is a selectable marker of plant genetic transformation, Nada (2016). Novel recombinant binary vectors harboring Basta (bar) gene as a plant selectable marker for genetic transformation of plants. Physiol Mol Biol Plants. 2016 Apr; 22(2): 241–251.
Selected references	To be added when available, antibody available in May 2023.



Samples:
From the left:
Arabidopsis thaliana wt - 1
Arabidopsis thaliana overexpressing line 1 with BAR (BASTA) - 2
Arabidopsis thaliana overexpressing line 1 with BAR (BASTA) - 3

20 µg/well of total protein extracted freshly from *Arabidopsis thaliana* leaves with extraction buffer: 50 mM Tris/Cl pH 7,5 , 150 mM NaCl , 1% Nonidet P40 , 1 tablet Proteinase inhibitor cocktail/ 10 ml. and denatured with SDS sample buffer 95°C at °C were separated on 4-15% %

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SDS-PAGE and blotted 1h to nitrocellulose (pore size of 0,45 µm), using wet transfer. Blot was blocked with 5 % milk for 1h/RT with agitation. Blot was incubated in the primary antibody at a dilution of 1: 1 000 for ON/4°C with agitation. The antibody solution was decanted, and the blot was rinsed briefly twice, then washed once for 15 min and 3 times for 5 min in TBS-T at RT with agitation. Blot was incubated in Agrisera matching secondary antibody (anti-rabbit IgG horse radish peroxidase conjugated AS09 602) diluted to 1:25 000 in for 1h/RT with agitation. The blot was washed as above and developed for 5 min. with Agrisera ECLBright (AS16 ECL-N-10). Exposure time was seconds.

Courtesy of Dr. Dr. Birgit Kemmerling, ZMBP - Center for Plant Molecular Biology, Plant Biochemistry University of Tuebingen, Germany