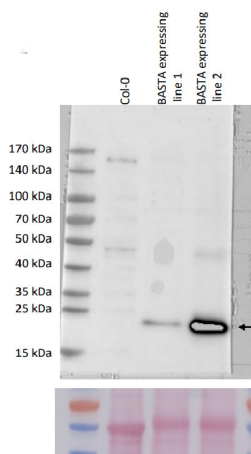


Product no **AS21 4612****BAR | Phosphinothricin N-acetyltransferase (170-183)****Product information**

<b>Immunogen</b>	KLH-conjugated peptide derived from position 170-183 of Phosphinothricin N-acetyltransferase (BAR or BASTA), UniProt: <a href="#">P16426</a>
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Purity</b>	Antigen affinity purified serum, in PBS pH 7.4
<b>Format</b>	Lyophilized
<b>Quantity</b>	50 µg
<b>Reconstitution</b>	For reconstitution add 50 µl, of sterile or deionized water.
<b>Storage</b>	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**

<b>Recommended dilution</b>	1 : 1000 - 1 : 5000 (WB)
<b>Expected   apparent MW</b>	20.6 kDa
<b>Confirmed reactivity</b>	BAR (BASTA)
<b>Predicted reactivity</b>	<i>Streptomyces viridochromogenes</i> Species of your interest not listed? <a href="#">Contact us</a>
<b>Not reactive in</b>	No confirmed exceptions from predicted reactivity are currently known
<b>Additional information</b>	BAR (BASTA) gene is a selectable marker of plant genetic transformation, <a href="#">Nada</a> (2016). Novel recombinant binary vectors harboring Basta (bar) gene as a plant selectable marker for genetic transformation of plants. <i>Physiol Mol Biol Plants</i> . 2016 Apr; 22(2): 241–251.
<b>Selected references</b>	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% 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