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Product no AS16 3208

TGA1 | TGACG motif-binding factor 1, bZIP transcription factor

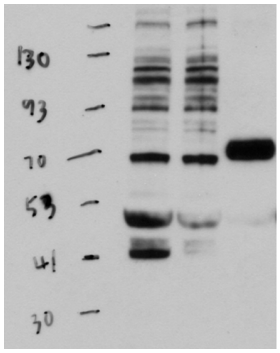
Product information

Immunogen	KLH-conjugated peptide derived from protein sequence of *Arabidopsis thaliana* TGA1, UniProt: Q39237, TAIR: At5g65210
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 MW	42,1 kD
Confirmed reactivity	*Arabidopsis thaliana*
Predicted reactivity	*Brassica sp., Camelina sativa, Eutrema salsugineum, Gossypium arboreum, Gossypium raimondii, Jatropha curcas, Morus notabilis, Nelumbo nucifera, Populus sp., Ricinus communis, Tarenaya hassleriana, Theobroma cacao, Vitis vinifera* Species of your interest not listed? Contact us
Additional information	TGA1 level in leaf may be too low for detection. Antibody is recognizing transiently expressed TGA1 with GFP tag.

Application example



50 µg of total protein from *Arabidopsis thaliana* seedlings of col-0, *tga1-1* and *Nicotiana tabacum* leaf transiently expressing TGA1-GFP (described sample order from left to right), extracted with exaction buffer (50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 5 mM EDTA, 0.1% Triton X-100, 0.2% Nonidet P-4) and denatured at 70°C for 15 min were separated on 4-12% SDS-PAGE and blotted 1h to nitrocellulose membrane using tank transfer. Blots were blocked with 5% milk in TBS-T for 1h at room temperature (RT) with agitation. Blot was incubated in the primary antibody at a dilution of 1: 1 000 at 4°C overnight with agitation in TBS-T. 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 secondary antibody (anti-rabbit IgG horse radish peroxidase conjugated) diluted to 1:10 000 in for 1h at RT with agitation. The blot was washed as above and developed for 5 min with chemiluminescent detection reagent of extreme low femtogram detection range. Exposure time was 2min.

Courtesy of Dr. Jian Chen, Graduate Science Research Center Columbia, South Carolina, USA