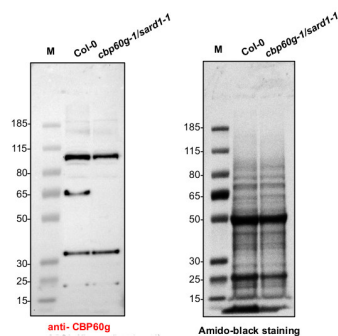


Product no **AS21 4585****Anti-CBP60G | Calmodulin-binding protein 60 G****Product information**

Immunogen	KLH-conjugated peptide derived from <i>Arabidopsis thaliana</i> CBP60G, UniProt: F4K2R6 , TAIR: At5g26920
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 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 - 1 : 5000 (WB)
Expected apparent MW	63.1 kDa
Confirmed reactivity	<i>Arabidopsis thaliana</i>
Predicted reactivity	<i>Arabidopsis arenosa</i> , <i>Arabidopsis suecica</i> , <i>Camelina sativa</i> , <i>Arabidopsis lyrata subsp. Lyrata</i> Species of your interest not listed? Contact us
Not reactive in	<i>Solanum lycopersicum</i> , <i>Solanum tuberosum</i>
Additional information	This antibody is recognizing CBP60G expressed in transgenic plants.
Selected references	To be added when available, antibody available in May 2025.



WT is Col-0 and mutant is *cbp60g/sard1* double mutant. 1/2LS plate-grown 2-week-old *Arabidopsis* whole seedlings were harvested and snap frozen in liquid N₂. Total protein was extracted using RIPA buffer (see below). Protein concentration was measured using Bradford assay and normalized to 40µg/sample. Equal volume of 2x LPS buffer (containing 10% 2-ME) was added to denatured protein sample. Denatured at 95°C for 10 minutes. Samples were separated on 4-12% SDS-PAGE and blotted for 1h to PVDF (pore size of 0.45 µm) using iBlot semi-dry transfer. Blot was blocked with 5 % non-fat milk for 1h/RT with agitation. Blot was incubated in the primary antibody at a dilution of 1 : 5,000 in 5 % milk ON/4°C with agitation. The antibody solution was decanted, and the blot was rinsed briefly once, then washed the blot with PBS-T (PBS with 0.05% tween-20) at RT for 10 min with agitation. Blot was incubated in Goat anti-rabbit (Agrisera AS09 602 lot 2007) diluted to 1 : 20,000 with 5% non-fat milk for 1h/RT with agitation. The blot was washed with PBS-T 3. Thermo Scientific SuperSignal West Dura Maximum Sensitivity Substrate. RIPA buffer: 50mM Tris-HCl, pH 7.5, 150 mM NaCl 1% NP-40, 0.5% Na-deoxycholate, 0.1% SDS, 1 mM EDTA, 0.5 mM EGTA

Courtesy of Dr. Yu Ti Cheng, Duke University, USA