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Product no AS23 4886

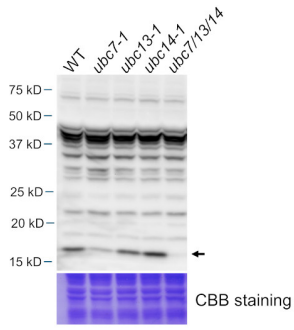
Anti-UBC7/13/14 | Ubiquitin-conjugating enzyme E2 7/13/14

Product information

Immunogen	KLH-conjugated peptide derived from *Arabidopsis thaliana* UBC7 UniProt: Q42540, TAIR: AT5G59300, UBC13: UniProt: Q42541, TAIR: AT3G46460 UBC14: UniProt: F4IWU7 TAIR: AT3G55380
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 - 1: 5000 (WB)
Expected | apparent MW	18.8 kDa
Confirmed reactivity	*Arabidopsis thaliana*
Predicted reactivity	*Brassica napus, Nicotiana tabacum, Solanum lycopresicum, Solanum tuberosum, Pisum sativum* Species of your interest not listed? Contact us
Not reactive in	No confirmed exceptions from predicted reactivity are currently known
Selected references	To be added when available, antibody available in November 2024.



Samples:
1 - 30 µg total proteins of *Arabidopsis thaliana* 10-day-old seedlings; wild type
2 - 30 µg total proteins of *Arabidopsis thaliana* 10-day-old seedlings; ubc7-1
3 - 30 µg total proteins of *Arabidopsis thaliana* 10-day-old seedlings; ubc13-1
4 - 30 µg total proteins of *Arabidopsis thaliana* 10-day-old seedlings; ubc14-1
5 - 30 µg total proteins of *Arabidopsis thaliana* 10-day-old seedlings; ubc7/13/14
MW markers: BioRad Precision Plus Protein standards (bands indicated at the left)

30 µg/lane) of total proteins extracted freshly from 10-day-old seedlings of *Arabidopsis thaliana* wt and mutants, with the exaction buffer (50 mM Tris-HCl pH 8.0, 200 mM NaCl, 10 mM DTT, 1% (v/v) Triton X-100, Sigma protease inhibitor cocktail) and denatured with 4X SDS sample buffer at 95°C for 5 min. Samples were separated using 10% SDS-PAGE and transferred onto PVDF membrane (0.2 µm pore size), using wet transfer. After blocking with 5% milk in PBS-T for 0.5h at RT (room temperature) with agitation, the blot was incubated in the primary antibody at a dilution of 1: 5000 (from the initial antibody solution at 1 µg IgG/µl) in PBS-T at 4°C with agitation. The antibody solution was decanted, and the blot was washed 4 times, each for 10 min, in PBS-T at RT with agitation. The blot was incubated in the secondary antibody goat anti-rabbit IgG horse radish peroxidase conjugated, 1:10 000 for 1h at RT with agitation. It was washed and developed with Agrisera ECL SuperBright.

Note: Background signal can be decreased with further protocol adjustment.

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Courtesy of Dr. Hong Wang, University of Saskatchewan, Canada