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Product no AS13 2686

Anti-Sec6 | Exocyst complex subunit

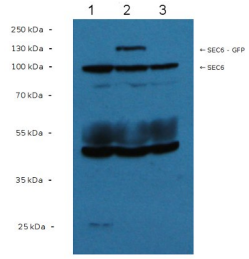
Product information

Immunogen	KLH-conjugated synthetic peptide derived from *Arabidopsis thaliana* Sec6, UniProt F4IA34, TAIR AT1G71820
Host	Rabbit
Clonality	Polyclonal
Purity	Serum
Format	Lyophilized
Quantity	50 µl
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	88.4 kDa
Confirmed reactivity	*Arabidopsis thaliana*
Predicted reactivity	*Carica papaya, Medicago truncatula, Ricinus communis* Species of your interest not listed? Contact us
Not reactive in	No confirmed exceptions from predicted reactivity are currently known
Additional information	Antibody is also recognizing recombinant Sec6
Selected references	Kulich et al. (2018). Exocyst Subunit EXO70H4 Has a Specific Role in Callose Synthase Secretion and Silica Accumulation. Plant Physiol. 2018 ar;176(3):2040-2051. doi: 10.1104/pp.17.01693.

Application example



50 µg of total protein from *Arabidopsis thaliana*, wt whole plant extract of one week old seedlings **(1)**, whole plant extract of one week old seedlings of Arabidopsis thaliana Col-0 expressing SEC6-GFP **(2)**, whole plant extract of one week old seedlings of Arabidopsis thaliana sec8 k.o. mutant complemented by SEC8-GFP **(3)**, extracted with SEC6/8 buffer (20mM HEPES, pH 6.8; 150mM NaCl; 1mM EDTA; 1mM DTT; 0.5% Tween 20) were separated on 10% SDS-PAGE then using semi-dry transfer blotted 1h to the nitrocellulose membrane (1.5 mA/cm2). Blots were blocked with 5% non-fat milk in PBS overnight at 4°C with agitation. Blot was incubated in the primary antibody in 5 % milk in PBS at a dilution of 1: 7500 for 1h at RT with agitation. The antibody solution was decanted and the blot was rinsed five times 5 min with PBST (PBS + 0.5% Tween 20) at RT with agitation. Blot was incubated in secondary antibody (anti-rabbit IgG horse radish peroxidase conjugated) diluted to 1:15 000 in 5% milk in PBS for 1h at RT with agitation. The blot was washed as above and developed for 5 min with chemiluminescent detection reagent according to the manufacturer's instructions. Exposure time was 10 seconds.

Courtesy of Dr. Michal Hála, UEB, Czech Republic