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Product no AS23 4967

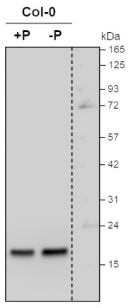
Anti-ARF1 | ADP-ribosylation factor 1

Product information

Immunogen	KLH-conjugated peptide derived from *Arabidopsis thaliana* Arf1 protein sequence, UniProt: P36397 Gene ID: AT2G47170
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 : 5000 (WB)
Expected | apparent MW	21 kDa
Confirmed reactivity	*Arabidopsis thaliana*
Predicted reactivity	*Arachis hypogaea, Brachypodium distachyon, Brassica napus Capsicum annuum, Cannabis sativa, Chlamydomonas reinhardtii, Nannochloropsis sp. , Citrus sp., Cucumis sativus, Glycine max, Gossypium sp., Hordeum vulgare, Malus domestica, Manihot esculenta, Medicago truncatula, Nannochloropsis gadit, Nicotiana tabacum, Oryza sativa, Phaseolus vulgaris, Physcomitrium patens, Pisum sativum, Populus sp. , Ricinis communis, Saccharum sp., Solanum lycopersicum, Sorghum bicolor, Spinacia oleracea, Solanum tuberosum, Theobroma cacao , Triticum sp., Vitis vinifera, Zea mays* 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 released in February 2026.



Samples:
1 - *Arabidopsis thaliana* Col-0 of 11-day-old seedlings, phosphate (Pi) sufficiency 2 - *Arabidopsis thaliana* Col-0 of 11-day-old seedlings, with 5 days of Pi deficiency
Mark: BlueRAY Prestained Protein Ladder (GeneDirex)

5 µg/well of microsomal protein extracted from *Arabidopsis thaliana* root. Microsomal protein was isolated using the Minute™ Plant Microsomal Membrane Extraction Kit (Invent Biotechnologies, MM-018) according to the manual instructions. The resulting pellet was solubilized with buffer containing 1% sodium 4-hexylphenylazosulfonate (Na-Azo, Excenen Pharmatech), 100 mM triethylammonium bicarbonate (TEABC, Sigma), pH 8.5, 2× Protease inhibitor cocktail (Sigma-Aldrich) and 1 mM phenylmethylsulfonyl fluoride (PMSF), and denatured with buffer containing 1× NuPAGE™ LDS Sample Buffer (Invitrogen) and 100 mM dithiothreitol (DTT) at 70°C for 15 min. Samples were loaded into 4–12% Q-PAGE™ Bis-Tris Precast Gel (SMOBIO) SDS-PAGE and blotted to Immobilon®-P PVDF membrane (Millipore, pore size of 0.45 µm) for 1 h using wet transfer. Blot was blocked with 1% BSA in 1× PBS solution with 0.2% Tween 20 (PBST, pH 7.2) for: 1 h/RT with agitation. Blot was incubated in

the primary antibody at a dilution of 1: 5 000 in PBST containing 1% BSA for 1 h/RT with agitation. The antibody solution was decanted and the blot was washed 4 times for 5 min in PBST at RT with agitation. Blot was incubated in matching secondary antibody (Goat anti-Rabbit IgG (H&L), HRP conjugated, Agrisera, AS09 602) diluted to 1: 25 000 in PBST containing 1% BSA for 1 h/RT with agitation. The blot was washed as above and developed with a following chemiluminescent detection reagent: WesternBright® ECL HRP substrate (Advansta, low picogram sensitivity). Exposure time was 1 minute.

Courtesy of Dr, Tzu-Yin Liu, National Tsing Hua University, Taiwan