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Product no AS16 3148A

Anti-SAM1-4 | S-adenosylmethionine synthase (affinity purified)

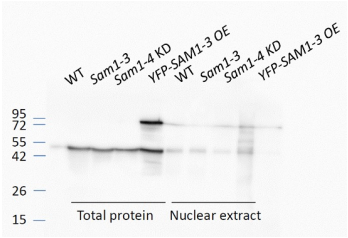
Product information

Immunogen	KLH-conjugated peptide derived from protein sequence of *Arabidopsis thaliana* SAM1-4, UniProt: P23686, P17562, Q9SJL8, Q9LUT2, TAIR:At1g02500, At4g01850, At3g17390, At2g36880
Host	Rabbit
Clonality	Polyclonal
Purity	Immunogen affinity purified serum in PBS pH 7.4.
Format	Lyophilized
Quantity	100 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 : 2000 (WB)
Expected | apparent MW	43.2 | 45 kDa (*Arabidopsis thaliana*)
Confirmed reactivity	*Arabidopsis thaliana, Malus domestica*
Predicted reactivity	*Beta vulgaris, Brassica sp., Citrus sp., Coffea canephora, Caomelina sativa, Capsella rubella, Cucumis melo, Cucumis sativus, Genlisea aurea, Gentiana triflora, Guzmania wittmacki, Gossypium raimondii, Eucalyptus grandis, Eutrema salsugineum, Ipomoea batatas, Jatropha curcas, Musa acuminata, Nicotiana sp., Oryza brachyantha, Phoenix dactylifera, Populus sp., Prunus sp., Ricinus communis, Sesamum indicum, Setaria italica, Solanum pennellii, Solanum tuberosum, Spinacia oleracea, Tarenaya hassleriana, Theobroma cacao, Zea mays* Species of your interest not listed? Contact us
Not reactive in	No confirmed exceptions from predicted reactivity are currently known

Application example



70 µg of total protein from *Arabidopsis thaliana* wt Col-0, *SAM3* knockdown, *SAM1-4* knockdown, and one *oeSAM3-YFP* lines extracted with mortar and pestle using 2xSDS loading buffer (100 mM Tris-HCl pH 6.8, 4% SDS, 0.02% bromophenol blue, 200 mM DTT), and denatured in the same buffer at 95°C for 10 min. Samples were separated on 11% SDS-PAGE and blotted for 1h to PVDF using tank transfer. Blots were blocked with 5% milk powder in TBS-T overnight in a cold room with agitation. Blot was incubated in the primary antibody at a dilution of 1: 2 000 for 1h at RT with agitation. The antibody solution was decanted and the blot was rinsed five times for 4 min in TBS-T at RT with agitation. Blot was incubated in secondary antibody (anti-rabbit IgG HRP-conjugated, from Agrisera) diluted to 1: 20 000 in for 1h at RT with agitation. The blot was washed as above and developed for 2 min with chemiluminescent detection reagent. The proteins were detected using CCD Image Fusion Fx7 after 30 seconds exposure time.

Courtesy of Louis-Valentin Meteignier, LGBP, Faculté des Sciences de Luminy, France