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Datasheet for ABIN4966315

## anti-S-Adenosyl-Methionine Synthase (SAM1-4) antibody

### Overview

Quantity:	50 µL
Target:	S-Adenosyl-Methionine Synthase (SAM1-4)
Reactivity:	Arabidopsis thaliana
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	Un-conjugated
Application:	Western Blotting (WB)

### Product Details

Immunogen:	KLH-conjugated peptide derived from protein sequence of Arabidopsis thaliana GI, UniProt: P23686, P17562, Q9SJL8, Q9LUT2, TAIR:At1g02500, At4g01850, At3g17390, At2g36880
Cross-Reactivity (Details):	Not reactive in: No confirmed exceptions from predicted reactivity known in the moment.
Predicted Reactivity:	Arabidopsis thaliana, 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

### Target Details

Target:	S-Adenosyl-Methionine Synthase (SAM1-4)
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## Target Details

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Alternative Name: S-adenosylmethionine synthase (SAM1-4)

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Background: SAM (S-adenosylmethionin synthetase) is an enzyme which catalyzes the formation of S-adenosylmethionine from methionine and ATP. The overall synthetic reaction is composed of two sequential steps. It is a donor of methyl groups in methylation reactions, and is involved in a number of processes such as: response to cadmium ions and salt stress, as well as, ethylene and lignin biosynthesis.

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Molecular Weight: 43.2 | 50 kDa (Arabidopsis thaliana)

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UniProt: [P23686](#), [P17562](#), [Q9SJL8](#), [Q9LUT2](#)

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## Application Details

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Application Notes: 1: 3000 (WB)

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Restrictions: For Research Use only

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## Handling

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Format: Lyophilized

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Reconstitution: For reconstitution add 50 µL of sterile water.

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Storage Comment: 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.