

Rabbit ROS1 Polyclonal Antibody | anti-ROS1 antibody

ROS1 Antibody

CATALOG # AAA233063	HOST Rabbit	REACTIVITY Arabidopsis thaliana	APPLICATIONS ELISA
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PRODUCT SYNONYMS

ROS1; Polyclonal Antibody; ROS1 Antibody; Protein ROS1; DEMETER-like protein 1; Repressor of silencing 1; DML1; At2g36490; F1O11.12; anti-ROS1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Arabidopsis thaliana
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	1393
Applicable Applications for anti-ROS1 antibody	ELISA
Immunogen	Recombinant Arabidopsis thaliana Protein ROS1 protein (1-320AA)
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Conjugation	Non-conjugated
Species	Arabidopsis thaliana (Mouse-ear cress)
Research Area	Others
Target Names	ROS1
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

ADDITIONAL INFORMATION

Related Product Information for anti-ROS1 antibody	Bifunctional DNA glycosylase/lyase, which excises 5-methylcytosine (5-meC) and 5-hydroxymethylcytosine (5-hmeC), leaving an apyrimidinic (AP) site that is subsequently incised by the lyase activity (PubMed: 25240767). Generates 3'-phosphor-alpha, beta-unsaturated aldehyde (3'-PUA) as a primary 5-meC excision intermediate (PubMed: 25228464). Prevents DNA hypermethylation, specifically in the promoter of otherwise silenced loci. May be involved in DNA repair through its nicking activity on methylated DNA. Binds with similar affinity to both methylated and non-methylated DNA. Highly distributive behavior on DNA substrates containing multiple 5-meC residues. Involved with Pol IV in the remodeling of the 5S rDNA chromatin via DNA methylation modifications during the first days of development post-germination. Participates in UV-B induced- and oxidative DNA damage repair (PubMed: 24155752).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	42569673
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NCBI GeneID	818224
NCBI Accession #	NP_181190.3
NCBI GenBank Nucleotide #	NM_129207.5
UniProt Accession #	Q9SJQ6 ; Q7Y1X6
NCBI Official Full Name	demeter-like 1
NCBI Official Symbol	DML1
NCBI Official Synonym Symbols	AtROS1; demeter-like 1; F1O11.12; F1O11_12; REPRESSOR OF SILENCING1; ROS1
NCBI Protein Information	demeter-like 1
UniProt Protein Name	Protein ROS1
UniProt Gene Name	ROS1
UniProt Synonym Gene Names	DML1
UniProt Entry Name	ROS1_ARATH

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/ros1-antibody-elisa/233063>