Datasheet for ABIN7140568

anti-ROS1 antibody (AA 1-320) (HRP)

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Overview

Quantity:	100 µg
Target:	ROS1
Binding Specificity:	AA 1-320
Reactivity:	Arabidopsis thaliana
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ROS1 antibody is conjugated to HRP
Application:	ELISA

Product Details

Immunogen:	Recombinant Arabidopsis thaliana Protein ROS1 protein (1-320AA)
Isotype:	IgG
Cross-Reactivity:	Arabidopsis thaliana
Purification:	>95%, Protein G purified

Target Details

Target:	ROS1
Alternative Name:	ROS1 (ROS1 Products)
Background:	Background: Bifunctional DNA glycosylase/lyase, which excises 5-methylcytosine (5-meC) and 5-hydroxymethylcytosine (5-hmeC), leaving an apyrimidinic (AP) site that is subsequently

Target Details

	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). Aliases: ROS1 antibody, DML1 antibody, At2g36490 antibody, F1O11.12 antibody, DNA glycosylase/AP lyase ROS1 antibody, EC 4.2.99.18 antibody, DEMETER-like protein 1 antibody, Protein REPRESSOR OF SILENCING 1 antibody, Protein ROS1 antibody
UniProt:	Q9SJQ6
Pathways:	RTK Signaling

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.