

Product Information

Size:

50ug

Reactivity:

Arabidopsis thaliana

Source:

Rabbit

Isotype:

IgG

Applications:

ELISA

Recommended dilutions:**Protein Background:**

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. Generates 3'-phosphor-alpha, beta-unsaturated aldehyde (3'-PUA) as a primary 5-meC excision intermediate. 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.

Gene ID:

ROS1

Uniprot

Q9SJQ6

Synonyms:

Protein ROS1 (EC 3.2.2) (DEMETER-like protein 1) (Repressor of silencing 1), ROS1, DML1

Immunogen:

Recombinant Arabidopsis thaliana Protein ROS1 protein (1-320AA).

Storage:

Preservative: 0.03% Proclin 300. Constituents: 50% Glycerol, 0.01M PBS, pH 7.4

Product Images

N/A

N/A