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Datasheet for ABIN7178024

anti-PDSS1 antibody (AA 1-183) (Biotin)

Overview

Quantity:	100 µg
Target:	PDSS1
Binding Specificity:	AA 1-183
Reactivity:	Mycobacterium smegmatis
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PDSS1 antibody is conjugated to Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant Mycobacterium smegmatis DNA protection during starvation protein (1-183AA)
Isotype:	IgG
Cross-Reactivity:	Mycobacterium smegmatis
Purification:	>95%, Protein G purified

Target Details

Target:	PDSS1
Alternative Name:	dps (PDSS1 Products)
Background:	Background: Protects DNA from oxidative damage by sequestering intracellular Fe(2+) ion and storing it in the form of Fe(3+) oxyhydroxide mineral. One hydrogen peroxide oxidizes two

Target Details

Fe(2+) ions, which prevents hydroxyl radical production by the Fenton reaction (By similarity). It protects DNA from hydroxyl radical-mediated cleavage. Binds DNA with no apparent sequence specificity without self-aggregation nor promotion of DNA condensation. Is unable to protect DNA from DNase-mediated cleavage.

Aliases: dpsDNA protection during starvation protein antibody, EC 1.16.-.- antibody

UniProt: [P0C558](#)

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.