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Datasheet for ABIN7144965

anti-PIF1 antibody (AA 125-360) (Biotin)

Overview

Quantity:	100 µg
Target:	PIF1
Binding Specificity:	AA 125-360
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PIF1 antibody is conjugated to Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant Human ATP-dependent DNA helicase PIF1 protein (125-360AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	PIF1
Alternative Name:	PIF1 (PIF1 Products)
Background:	Background: DNA-dependent ATPase and 5'→3' DNA helicase required for the maintenance of both mitochondrial and nuclear genome stability. Efficiently unwinds G-quadruplex (G4) DNA

Target Details

structures and forked RNA-DNA hybrids. Resolves G4 structures, preventing replication pausing and double-strand breaks (DSBs) at G4 motifs. Involved in the maintenance of telomeric DNA. Inhibits telomere elongation, de novo telomere formation and telomere addition to DSBs via catalytic inhibition of telomerase. Reduces the processivity of telomerase by displacing active telomerase from DNA ends. Releases telomerase by unwinding the short telomerase RNA/telomeric DNA hybrid that is the intermediate in the telomerase reaction. Possesses an intrinsic strand annealing activity.

Aliases: ATP dependent DNA helicase PIF1 antibody, ATP-dependent DNA helicase PIF1 antibody, C15orf20 antibody, DNA helicase homolog PIF1 antibody, DNA helicase PIF1 antibody, DNA repair and recombination helicase PIF1 antibody, Petite integration frequency 1 antibody, PIF antibody, PIF1 5' to 3' DNA helicase antibody, PIF1 5' to 3' DNA helicase homolog antibody, PIF1 antibody, PIF1 DNA helicase antibody, PIF1/RRM3 DNA helicase like protein antibody, PIF1/RRM3 DNA helicase-like protein antibody, PIF1_HUMAN antibody

UniProt: [Q9H611](#)

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.