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Datasheet for ABIN7143549

anti-ACD antibody (AA 328-497) (HRP)

Overview

Quantity:	100 µg
Target:	ACD
Binding Specificity:	AA 328-497
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ACD antibody is conjugated to HRP
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Adrenocortical dysplasia protein homolog protein (328-497AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	ACD
Alternative Name:	ACD (ACD Products)
Background:	Background: Component of the shelterin complex (telosome) that is involved in the regulation of telomere length and protection. Shelterin associates with arrays of double-stranded TTAGGG

Target Details

repeats added by telomerase and protects chromosome ends. Without its protective activity, telomeres are no longer hidden from the DNA damage surveillance and chromosome ends are inappropriately processed by DNA repair pathways. Promotes binding of POT1 to single-stranded telomeric DNA. Modulates the inhibitory effects of POT1 on telomere elongation. The ACD-POT1 heterodimer enhances telomere elongation by recruiting telomerase to telomeres and increasing its processivity. May play a role in organogenesis.

Aliases: Acd antibody, ACD_HUMAN antibody, Adrenocortical dysplasia homolog antibody, Adrenocortical dysplasia protein homolog antibody, PIP1 antibody, POT1 and TIN2 organizing protein antibody, POT1 and TIN2-interacting protein antibody, TIN2 interacting protein 1 antibody, TINT1 antibody, TPP1 antibody

UniProt: [Q96AP0](#)

Pathways: [Telomere Maintenance](#)

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.