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Datasheet for ABIN7162616

anti-HRPT2 antibody (AA 74-346) (Biotin)

Overview

Quantity:	100 µg
Target:	HRPT2 (CDC73)
Binding Specificity:	AA 74-346
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HRPT2 antibody is conjugated to Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Parafibromin protein (74-346AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	HRPT2 (CDC73)
Alternative Name:	CDC73 (CDC73 Products)
Background:	Background: Tumor suppressor probably involved in transcriptional and post-transcriptional control pathways. May be involved in cell cycle progression through the regulation of cyclin

Target Details

D1/PRAD1 expression. Component of the PAF1 complex (PAF1C) which has multiple functions during transcription by RNA polymerase II and is implicated in regulation of development and maintenance of embryonic stem cell pluripotency. PAF1C associates with RNA polymerase II through interaction with POLR2A CTD non-phosphorylated and 'Ser-2'- and 'Ser-5'-phosphorylated forms and is involved in transcriptional elongation, acting both independently and synergistically with TCEA1 and in cooperation with the DSIF complex and HTATSF1. PAF1C is required for transcription of Hox and Wnt target genes. PAF1C is involved in hematopoiesis and stimulates transcriptional activity of KMT2A/MLL1, it promotes leukemogenesis through association with KMT2A/MLL1-rearranged oncoproteins, such as KMT2A/MLL1-MLLT3/AF9 and KMT2A/MLL1-MLLT1/ENL. PAF1C is involved in histone modifications such as ubiquitination of histone H2B and methylation on histone H3 'Lys-4' (H3K4me3). PAF1C recruits the RNF20/40 E3 ubiquitin-protein ligase complex and the E2 enzyme UBE2A or UBE2B to chromatin which mediate monoubiquitination of 'Lys-120' of histone H2B (H2BK120ub1), UB2A/B-mediated H2B ubiquitination is proposed to be coupled to transcription. PAF1C is involved in mRNA 3' end formation probably through association with cleavage and poly(A) factors. In case of infection by influenza A strain H3N2, PAF1C associates with viral NS1 protein, thereby regulating gene transcription. Connects PAF1C with the cleavage and polyadenylation specificity factor (CPSF) complex and the cleavage stimulation factor (CSTF) complex, and with Wnt signaling. Involved in polyadenylation of mRNA precursors. Aliases: C1orf28 antibody, CDC 73 antibody, Cdc73 antibody, CDC73_HUMAN antibody, Cell division cycle 73 antibody, Cell division cycle 73 Paf1/RNA polymerase II complex component homolog antibody, Cell division cycle 73 Paf1/RNA polymerase II complex component like protein antibody, Cell division cycle protein 73 homolog antibody, FIHP antibody, FLJ23316 antibody, HPT JT antibody, HPTJT antibody, HRPT 2 antibody, HRPT1 antibody, HRPT2 antibody, Hyperparathyroidism 2 (with jaw tumor) antibody, Hyperparathyroidism 2 antibody, Hyperparathyroidism 2 protein antibody, HYX antibody, Paf1/RNA polymerase II complex component antibody, Parafibromin antibody

UniProt: [Q6P1J9](#)

Pathways: [Cellular Response to Molecule of Bacterial Origin, Stem Cell 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.