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Datasheet for ABIN7168299 anti-PAF1/PD2 antibody (AA 1-300)

2 Images



Overview

Quantity:	100 µg
Target:	PAF1/PD2 (PAF1)
Binding Specificity:	AA 1-300
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PAF1/PD2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant Human RNA polymerase II-associated factor 1 homolog protein (1-300AA)
Isotype:	lgG
Cross-Reactivity:	Human, Mouse
Purification:	>95%, Protein G purified

Target Details

Target:	PAF1/PD2 (PAF1)
Alternative Name:	PAF1 (PAF1 Products)
Background:	Background: Component of the PAF1 complex (PAF1C) which has multiple functions during
	transcription by RNA polymerase II and is implicated in regulation of development and

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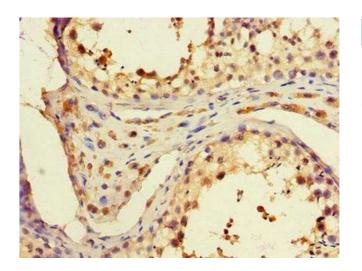
	maintenance of embryonic stem cell pluripotency. PAF1C associates with RNA polymerase II
	through interaction with POLR2A CTD non-phosphorylated and \\\'Ser-2\\\'- and \\\'Ser-5\\\'-
	phosphorylated forms and is involved in transcriptional elongation, acting both indepentently
	and synergistically with 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 $\\ture{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
	RNF20/40 E3 ubiquitin-protein ligase complex. Involved in polyadenylation of mRNA
	precursors. Has oncogenic activity in vivo and in vitro.
	Aliases: F23149 1 antibody, FLJ11123 antibody, hPAF1 antibody, PAF 1 antibody, PAF1
	antibody, Paf1 RNA polymerase II associated factor homolog antibody, PAF1_HUMAN antibody,
	Pancreatic differentiation protein 2 antibody, PD 2 antibody, PD2 antibody, PD2 protein
	antibody, RNA polymerase II associated factor homolog antibody, RNA polymerase II-
	associated factor 1 homolog antibody
UniProt:	Q8N7H5
Pathways:	Cellular Response to Molecule of Bacterial Origin, Stem Cell Maintenance
Application Details	
Application Notes:	Recommended dilution: WB:1:2000-1:10000, IHC:1:20-1:200,
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300
	Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

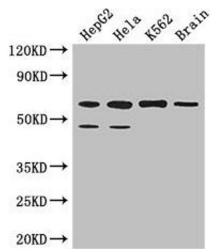
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Handling

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.

Images





Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human testis tissue using ABIN7168299 at dilution of 1:100

Western Blotting

Image 2. Western Blot Positive WB detected in: HepG2 whole cell lysate, Hela whole cell lysate, K562 whole cell lysate, Mouse brain tissue All lanes: PAF1 antibody at 3.2μ g/mL Secondary Goat polyclonal to rabbit lgG at 1/50000 dilution Predicted band size: 60, 56 kDa Observed band size: 60, 48 kDa

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