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Datasheet for ABIN6972824 anti-SUPT16H antibody

Image



Overview

Quantity:	100 µL
Target:	SUPT16H
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SUPT16H antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This antibody was raised against a synthetic peptide containing human Supt16H / Spt16.
lsotype:	lgG
Characteristics:	Supt16H / Supt16 (suppressor of Ty 16 homolog (S. cerevisiae)) is a component of the FACT complex, a general chromatin factor that acts to reorganize nucleosomes. The FACT complex is involved in multiple processes that require DNA as a template such as mRNA elongation, DNA replication and DNA repair. During transcription elongation the FACT complex acts as a histone chaperone that both destabilizes and restores nucleosomal structure. It facilitates the passage of RNA polymerase II and transcription by promoting the dissociation of one histone H2A-H2B dimer from the nucleosome, then subsequently promotes the reestablishment of the nucleosome following the passage of RNA polymerase II. The FACT complex is probably also
	involved in phosphorylation of 'Ser-392' of p53/TP53 via its association with CK2 (casein kinase II). Also involved in vitamin D-coupled transcription regulation via its association with the
	WINAC complex, a chromatin-remodeling complex recruited by vitamin D receptor (VDR), which

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Product Details	
	is required for the ligand-bound VDR-mediated transrepression of the CYP27B1 gene (By similarity). Supt16H / Spt16 antibody (pAb) was raised in a Rabbit host. It has been validated for use in Western blot, it has been shown to react with Human samples.
Purification:	Affinity Purified
Target Details	
Target:	SUPT16H
Alternative Name:	Supt16H / Spt16 (SUPT16H Products)
Molecular Weight:	140 kDa
NCBI Accession:	NP_009123
Pathways:	Chromatin Binding
Application Details	
Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only
Handling	
Buffer:	Purified IgG in PBS with 30 % glycerol and 0.035 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Avoid repeated freeze/thaw cycles by aliquoting items into single-use fractions for storage at - 20°C for up to 2 years. Keep all reagents on ice when not in storage.

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195	Western Blotting
— 142	Image 1. Supt16H / Spt16 (pAb) tested by Western blot.
<u> </u>	Supt16H / Spt16 detection by Western blot. The analysis of
71	Supt16H / Spt16 was performed using K-562 nuclear
71	extract (30 μg) and Supt16H / Spt16 (pAb) at a 1:500
48	dilution.
<u> </u>	
33	
28	

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