

## Allgemeine Informationen

<b>Katalog-Nr.:</b> 28598-1-AP	<b>GenBank-Zugangsnummer:</b> NM_007192	<b>Reinigungsmethode:</b> Antigen-Affinitätsreinigung
<b>Größe:</b> 150ul , Konzentration: 600 µg/ml von Nanodrop;	<b>GeneID (NCBI):</b> 11198	<b>Empfohlene Verdünnungen:</b> WB 1:2000-1:16000 IF 1:200-1:800
<b>Wirt:</b> Kaninchen	<b>Vollständiger Name:</b> suppressor of Ty 16 homolog (S. cerevisiae)	
<b>Isotyp:</b> IgG	<b>Berechnete Masse:</b> 120 kDa	
<b>Immunogen Katalognummer:</b> AG29459	<b>Beobachtete Masse:</b> 120 kDa	

## Anwendungen

<b>Geprüfte Anwendungen:</b> IF, WB, ELISA	<b>Positivkontrollen:</b>
<b>Getestete Reaktivität:</b> Human	<b>WB :</b> A549-Zellen, HeLa-Zellen, Maushirngewebe, Rattenhirngewebe
	<b>IF :</b> HeLa-Zellen,

## Hintergrundinformationen

SUPT16H, also named as FACT140, FACTP140, SPT16 and CDC68, belongs to the peptidase M24 family and SPT16 subfamily. SUPT16H 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). It 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 is required for the ligand-bound VDR-mediated transrepression of the CYP27B1 gene. The antibody is specific to SUPT16H.

## Lagerung

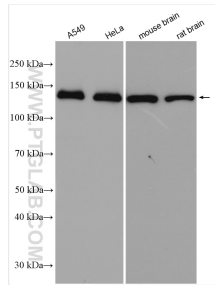
**Lagerungsbedingungen:**  
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil  
**Lagerungspuffer:**  
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.  
**Aliquotieren ist nicht notwendig bei -20°C Lagerung**

**\*\*\* 20ul-Größen enthalten 0.1% BSA**

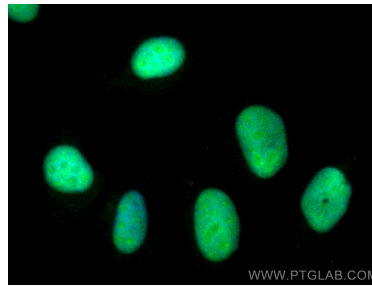
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## Ausgewählte Validierungsdaten



Various lysates were subjected to SDS PAGE followed by western blot with 28598-1-AP (SUPT16H antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using SUPT16H antibody (28598-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).