

Allgemeine Informationen

Katalog-Nr.:

20551-1-AP

Größe:

150ul, Konzentration: 500 µg/ml von Nanodrop und 427 µg/ml durch die Bradford-Methode mit BSA als Standard;

Wirt:

Kaninchen

Isotyp:

IgG

GenBank-Zugangsnummer:

NM_007192

GeneID (NCBI):

11198

Vollständiger Name:

suppressor of Ty 16 homolog (S. cerevisiae)

Berechnete Masse:

120 kDa

Beobachtete Masse:

140 kDa

Reinigungsmethode:

Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:

WB 1:500-1:2000
 IP 0.5-4.0 µg für IP und 1:500-1:2000 für WB
 IHC 1:20-1:200

Anwendungen

Geprüfte Anwendungen:

IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:

IHC, WB

Getestete Reaktivität:

Human, Maus

Zitierte Arten:

Human, Maus

Positivkontrollen:

WB: Maushirngewebe,

IP: Maushirngewebe,

IHC: humanes Tonsillitisgewebe, humanes Milzgewebe

Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.

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.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Ikumi Ohsawa	33749947	FASEB J	IHC
Heather J Szerlong	25584861	J Mol Biol	WB
Kenneth Stapleton	32078363	Arterioscler Thromb Vasc Biol	

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

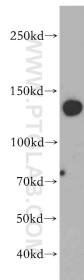
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

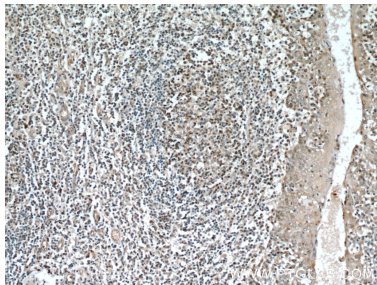
E: proteintech@ptglab.com
 W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

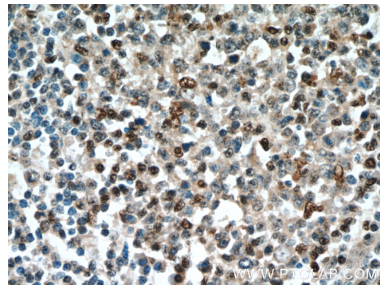
Ausgewählte Validierungsdaten



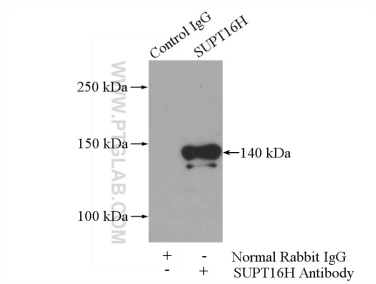
mouse brain tissue were subjected to SDS PAGE followed by western blot with 20551-1-AP (SUPT16H antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis using 20551-1-AP (SUPT16H antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human tonsillitis using 20551-1-AP (SUPT16H antibody) at dilution of 1:100 (under 40x lens).



IP Result of anti-SUPT16H (IP:20551-1-AP, 4ug; Detection:20551-1-AP 1:1000) with mouse brain tissue lysate 3440ug.