

Rabbit anti-Human, Mouse SUPT16H Polyclonal Antibody | anti-SUPT16H antibody

SUPT16H Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324176	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

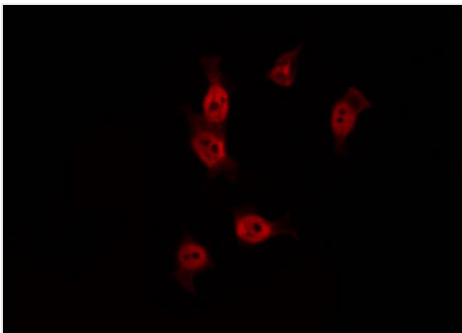
PRODUCT SYNONYMS

SUPT16H; Polyclonal Antibody; SUPT16H Antibody; CDC68; Chromatin specific transcription elongation factor 140 kDa subunit; Chromatin-specific transcription elongation factor 140 kDa subunit; Facilitates chromatin transcription complex subunit SPT16; FACT 140 kDa subunit; FACT; FACT complex subunit SPT16; FACTp140; FLJ10857; FLJ14010; hSPT16; SP16H_HUMAN; Suppressor of Ty 16 homolog; Supt16h; anti-SUPT16H antibody

PRODUCT SPECIFICATIONS

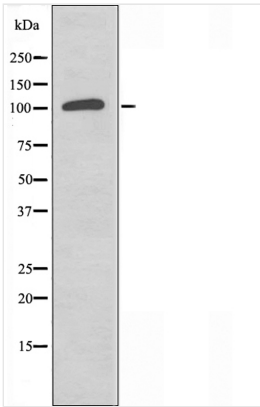
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	SUPT16H antibody detects endogenous levels of total SUPT16H
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1047
Applicable Applications for anti-SUPT16H antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Nucleus. Chromosome. Colocalizes with RNA polymerase II on chromatin. Recruited to actively transcribed loci.
Tissue Specificity	Ubiquitous.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA324176 staining HepG2 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from HepG2 cells, using SUPT16H antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-SUPT16H antibody

Function: 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). Subunit Structure: Interacts with MYOG (via C-terminal region) (By similarity). Component of the FACT complex, a stable heterodimer of SSRP1 and SUPT16H (PubMed:10421373). Also component of a CK2-SPT16-SSRP1 complex which forms following UV irradiation, composed of SSRP1, SUPT16H, CSNK2A1, CSNK2A2 and CSNK2B (PubMed:11239457, PubMed:12393879). Interacts with NEK9 (PubMed:14660563). Binds to histone H2A-H2B (PubMed:10421373). Identified in a centromere complex containing histones H2A, H2B and H4, and at least CENPA, CENPB, CENPC, CENPT, CENPN, HJURP, SUPT16H, SSRP1 and RSF1 (PubMed:27499292). Interacts with GTF2E2 (PubMed:10792464). Post-translational Modifications: ADP-ribosylated. ADP-ribosylation by PARP1 is induced by genotoxic stress and correlates with dissociation of FACT from chromatin. Similarity: The C-terminal Glu-rich acidic region is essential for FACT activity. Belongs to the peptidase M24 family. SPT16 subfamily.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6005757
NCBI GeneID	11198
NCBI Accession #	NP_009123.1
NCBI GenBank Nucleotide #	NM_007192.3
UniProt Accession #	Q9Y5B9; Q6GMT8; Q6P2F1; Q6PJM1; Q9NRX0
Molecular Weight	Observed: 119 kD Predicted: 120 kDa
NCBI Official Full Name	FACT complex subunit SPT16
NCBI Official Synonym Full Names	SPT16 homolog, facilitates chromatin remodeling subunit
NCBI Official Symbol	SUPT16H
NCBI Official Synonym Symbols	CDC68; SPT16; FACTP140; SPT16/CDC68
NCBI Protein Information	FACT complex subunit SPT16

UniProt Protein Name	FACT complex subunit SPT16
UniProt Gene Name	SUPT16H
UniProt Synonym Gene Names	FACT140; FACTP140; hSPT16

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/supt16h-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/324176>