ARG45959
anti-FACT / SUPT16H antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes FACT / SUPT16H
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	FACT / SUPT16H
Species	Human
Immunogen	Recombinant protein containing to human FACT / SUPT16H.
Conjugation	Un-conjugated
Alternate Names	SUPT16H; SPT16 Homolog, Facilitates Chromatin Remodeling Subunit; Chromatin-specific transcription elongation factor 140 kDa subunit; FACTP140; FACT complex subunit SPT16; SPT16; FACTp140; CDC68; FACT 140 kDa subunit; Facilitates chromatin transcription complex subunit SPT16; SPT16/CDC68; hSPT16

Application Instructions

Application table

Application	Dilution
FACS	1 - 3 µg/10^6 cells
ICC/IF	5 µg/ml
WB	0.25-0.5 µg/ml

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Observed Size	140 kDa

Properties

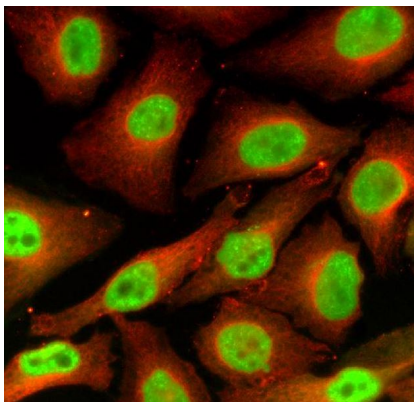
Form	Liquid
Purification	Affinity chromatography purified
Buffer	0.2% Na2HPO4, 0.9% NaCl and 4% Trehalose.
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -22°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

	before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

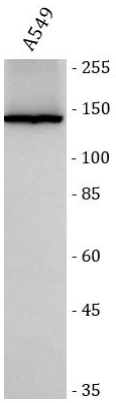
Gene Symbol	SUPT16H
Gene Full Name	SPT16 Homolog, Facilitates Chromatin Remodeling Subunit
Background	Transcription of protein-coding genes can be reconstituted on naked DNA with only the general transcription factors and RNA polymerase II. However, this minimal system cannot transcribe DNA packaged into chromatin, indicating that accessory factors may facilitate access to DNA. One such factor, FACT (facilitates chromatin transcription), interacts specifically with histones H2A/H2B to effect nucleosome disassembly and transcription elongation. FACT is composed of an 80 kDa subunit and a 140 kDa subunit; this gene encodes the 140 kDa subunit. [provided by RefSeq, Feb 2009]
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). [UniProt]
Calculated Mw	120 kDa
PTM	Phosphoprotein; Isopeptide bond; Ubl conjugation; Acetylation; ADP-ribosylation. [UniProt]. [UniProt]
Cellular Localization	Nucleus; Chromosome. [UniProt]

Images



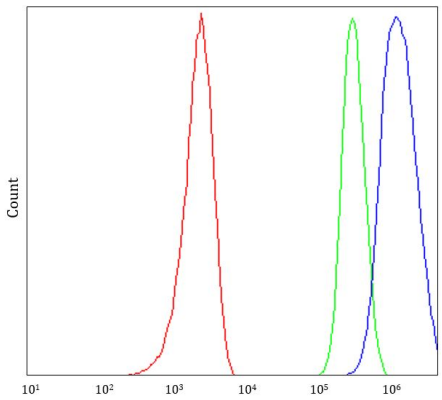
ARG45959 anti-FACT / SUPT16H antibody ICC/IF image

Immunofluorescence: Hela stained with ARG45959 anti-FACT / SUPT16H antibody at 5 µg/ml dilution.



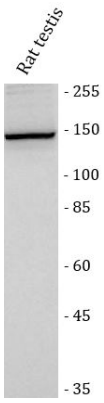
ARG45959 anti-FACT / SUPT16H antibody WB image

Western blot: A549 stained with ARG45959 anti-FACT / SUPT16H antibody at 0.5 µg/ml dilution.



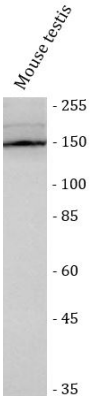
ARG45959 anti-FACT / SUPT16H antibody FACS image

Flow Cytometry: MCF-7 stained with ARG45959 anti-FACT / SUPT16H antibody at 1 µg/10^6 cells dilution.



ARG45959 anti-FACT / SUPT16H antibody WB image

Western blot: Rat testis stained with ARG45959 anti-FACT / SUPT16H antibody at 0.5 µg/ml dilution.



ARG45959 anti-FACT / SUPT16H antibody WB image

Western blot: Mouse testis stained with ARG45959 anti-FACT / SUPT16H antibody at 0.5 µg/ml dilution.