

Product Name: SSRP1 Rabbit Monoclonal Antibody

Catalog #: AMRe04000

For research use only.

Summary

Description Recombinant rabbit monoclonal antibody

Host Rabbit
Application WB

Reactivity Human, Mouse, Rat **Conjugation** Unconjugated

Modification Unmodified

Isotype IgG

Clonality Monoclonal

Form Liquid

Concentration 1mg/ml. The concentration of this product may be batch-dependent.

Storage Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.

Shipping Ice bags

Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and **Buffer**

0.05% protective protein.

Purification Affinity Purification

Application

Dilution Ratio WB 1:500-1:1000

Molecular Weight Calculated MW:81 kDa;Observed MW: 81 kDa

Antigen Information

Gene Name SSRP1

Alternative Names FACT; T160; FACT80

Gene ID 6749.0 **SwissProt ID** Q08945

Immunogen A synthetic peptide of human SSRP1

Background

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). Binds specifically to double-stranded DNA and at low levels to DNA modified by the antitumor agent cisplatin. May potentiate cisplatin-induced cell death by blocking replication and repair of modified DNA. Also acts as a transcriptional coactivator for p63/TP63.

Research Area

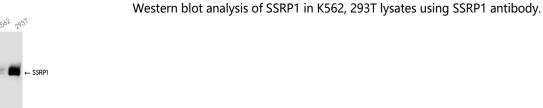
Epigenetics and Nuclear Signaling

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Image Data



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