

Rabbit anti-Human SSRP1 Polyclonal Antibody | anti-SSRP1 antibody

Anti-SSRP1 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA256651	Rabbit	Human	Immunofluorescence, Immunocytochemistry, Western Blot

PRODUCT SYNONYMS

SSRP1; Polyclonal Antibody; Anti-SSRP1 Antibody; Rabbit Polyclonal; SSRP1 Antibody; Rabbit PAb; Antigen Affinity Purified; structure specific recognition protein 1; Anti-FACT Antibody; Anti-FACT80 Antibody; Anti-T160 Antibody; anti-SSRP1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human SSRP1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-SSRP1 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Immunogen	E Coli-derived Human SSRP1 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human SSRP1 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence staining of SSRP1 in HeLa cells. Cells were fixed with 4% PFA, permeabilized with 0.1% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Human SSRP1 polyclonal antibody (dilution ratio 1:200) at 4 degree C overnight. Then cells were stained with the Alexa Fluor488-conjugated Goat Anti-rabbit IgG secondary antibody (green). Positive staining was localized to Nucleus.



WB (Western Blot)

Anti-SSRP1 rabbit polyclonal antibody at 1:500 dilution Lane A: K562 Whole Cell Lysate Lane B: HeLa Whole Cell Lysate Lane C: 293T Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 81 kDa Observed band size: 90 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-SSRP1 antibody	The structure-specific recognition protein SSRP1, initially isolated from expression screening of a human B-cell cDNA library for proteins that bind to cisplatin (cis-diamminedichloroplatinum(II))-modified DNA, contains a single DNA-binding high mobility group (HMG) domain. Human SSRP1 purifies as a heterodimer of SSRP1 and Spt16 (FACT) that alleviates the nucleosomal block to transcription elongation by RNAPII in vitro. SSRP1 has been considered as a potential biomarker since the aberrant high expression of SSRP1 has been detected in numerous malignant tumors. SSRP1 is involved in transcriptional regulation, DNA damage repair, and cell cycle regulation and has been confirmed to be highly expressed in various tumor tissues, including colorectal cancer. SSRP1 silencing influenced the proliferation and apoptosis of colorectal cancer cells via the AKT signaling pathway.
References	Yarnell AT, et al. (2001) Interaction of fact, ssrp1, and the high mobility group (hmg) domain of ssrp1 with DNA damaged by the anticancer drug cisplatin. J Biol Chem 276 (28): 25736-25741.Wang Q, et al. (2019) Ssrp1 influences colorectal cancer cell growth and apoptosis via the akt pathway. Int J Med Sci 16 (12): 1573-1582.Liao J, et al. (2017) Ssrp1 silencing inhibits the proliferation and malignancy of human glioma cells via the mapk signaling pathway. Oncol Rep 38 (5): 2667-2676.Krohn NM, et al. (2003) Protein kinase ck2 phosphorylates the high mobility group domain protein ssrp1, inducing the recognition of uv-damaged DNA. J Biol Chem 278 (15): 12710-12715.

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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