

Purified anti-SSRP1

Catalog # / Size: 609701 / 25 µg
609702 / 100 µg

Clone: 10D1

Isotype: Mouse IgG2b, κ

Immunogen: Recombinant (partial) (308-524aa)

Reactivity: Human

Preparation: The antibody was purified by affinity chromatography.

Formulation: This antibody is provided in phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide at 0.5 mg/ml.

Concentration: 0.5 mg/ml

Storage: Upon receipt, store undiluted at 4°C.

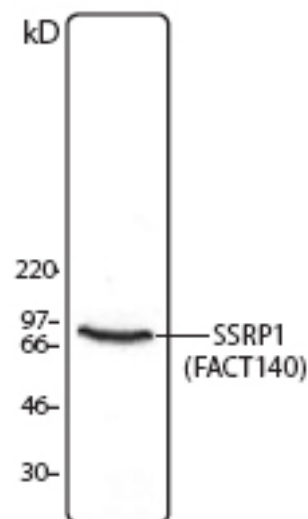
Applications:

Applications: WB - Quality tested
ChIP, IP, IF - Reported in the literature

Recommended Usage: Each lot of this antibody is quality control tested by Western blotting. Western blotting, suggested working dilution(s): Use 5 µg per 5 ml antibody dilution buffer for each mini-gel. It is recommended that the reagent be titrated for optimal performance for each application.

Application References:

1. Tan BC, *et al.* 2006. *EMBO* 25:3975. (ChIP)
2. Carvalho S, *et al.* 2013. *Nucleic Acids Res.* PubMed
3. Tan BC, *et al.* 2004. *J. Biol. Chem.* 279:9321. (Immunogen)
4. Lolis AA, *et al.* 2013. *J Biol Chem.* 288:7676. PubMed.
4. Aida M, *et al.* 2013. *PNAS.* 110:7784. PubMed.



HeLa cell lysate was resolved by electrophoresis, transferred to nitrocellulose, and probed with monoclonal anti-SSRP1 antibody. Proteins were detected using a goat anti-mouse Ig secondary conjugated to HRP and a chemiluminescence detection system.

Description: SSRP1 is a nuclear protein and a component of the FACT complex (facilitates chromatin transcription). The FACT complex is composed of the SUPT16H (FACT140) and the SSRP1 FACTp80 proteins. This complex interacts with nucleosomes and histone H2A/H2B dimers to promote nucleosome disassembly and allow transcription elongation. This protein interacts with dsDNA. The SSRP1 protein has been shown to be modified by cisplatin and may protect DNA from repair and block DNA replication. The 10D1 monoclonal antibody recognizes the human SSRP1 protein and has been shown to be useful for Western blotting.

Antigen References:

1. LeRoy G, *et al.* 1998. *Science* 282:1836.
2. Orphanides G, *et al.* 1998. *Cell* 92:105.
3. Orphanides G, *et al.* 1999. *Nature* 400:284.

Related Products:

Product
HRP Goat anti-mouse IgG (minimal x-reactivity)
Purified anti-SSRP1
Purified anti-Spt16 (FACT140 complex)

Clone
Poly4053
3E4
8D2

Application
ELISA, IHC, WB
WB, IP, IF
WB, IP, IF



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