

MCSP Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Protein ID NP_001888.2

Catalog No. A302-121A

GeneID 1464

Lot No. A302-121A-1



APPLICATIONS WB, IP

SPECIES REACTIVITY Human

AMOUNT 100 μ l

CONCENTRATION 200 μ g/ml

STORAGE/SHELF LIFE 2 - 8° C / 1 year from date of receipt

PHYSICAL STATE Liquid

BUFFER Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide

ISOTYPE IgG

ORIGIN USA

PRODUCTION PROCEDURES Antibody was affinity purified using an epitope specific to MCSP immobilized on solid support.

The epitope recognized by A302-121A maps to a region between residue 575 and 625 of human melanoma-associated chondroitin sulfate proteoglycan (chondroitin sulfate proteoglycan 4) using the numbering given in entry NP_001888.2 (GeneID 1464).

Immunoglobulin concentration was determined by extinction coefficient: absorbance at 280 nm of 1.4 equals 1.0 mg of IgG.

APPLICATIONS Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.

Western Blot 1:2,000 – 1:10,000

Immunoprecipitation 5 – 10 μ g/mg lysate

APPLICATION NOTES Western blot of immunoprecipitates performed using Normal Pig Serum (Cat. No. S100-020), Goat anti-Rabbit Light Chain HRP Conjugate (Cat. No. A120-113P) and 4-8% SDS-PAGE (link to IP-western blot protocol in Additional Info section below).

Western blot of lysates performed using standard western blot reagents and 4-8% SDS-PAGE.

ADDITIONAL INFO

<https://www.bethyl.com/product/A302-121A>

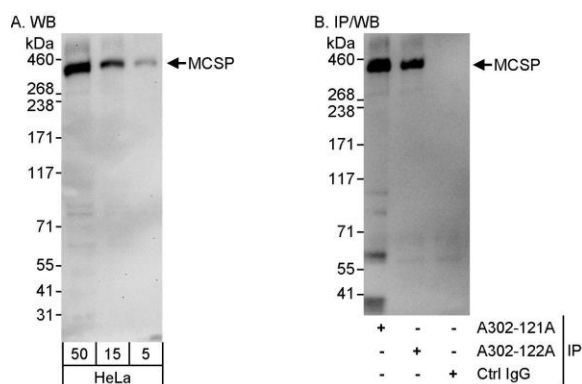
Use the link above to view SDS, a current list of citations, and other product specific information.

IP-western blot protocol: https://www.bethyl.com/content/protocol_IP_WB

This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.

Eric McIntush, PhD | Chief Scientific Officer

Date: June 21, 2019



Detection of human MCSP by western blot and immunoprecipitation. *Samples:* Whole cell lysate (5, 15 and 50 µg for WB; 1 mg for IP, 20% of IP loaded) from HeLa cells. *Antibodies:* Affinity purified rabbit anti-MCSP antibody A302-121A used for WB at 0.04 µg/ml (A) and 0.4 µg/ml (B) and used for IP at 10 µg/mg lysate. MCSP was also immunoprecipitated by rabbit anti-MCSP antibody A302-122A, which recognizes a downstream epitope. *Detection:* Chemiluminescence with exposure times of 30 seconds (A) and 10 seconds (B).