

HSP27 Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Protein ID NP_001531.1

Catalog No. A304-710A

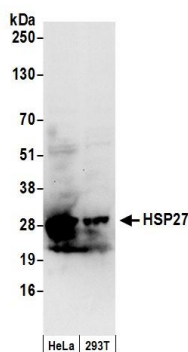
GeneID 3315

Lot No. A304-710A-1

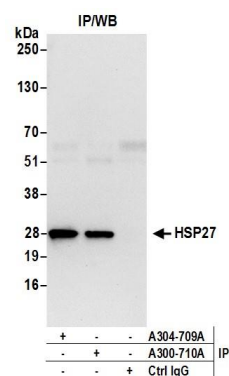


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|------------------------------|--|--------------|--------------------|---------------------|---------------------|----------------------|---|
| APPLICATIONS | WB, IP, IHC | | | | | | |
| SPECIES REACTIVITY | Human | | | | | | |
| AMOUNT | 100 µl | | | | | | |
| CONCENTRATION | 1000 µg/ml | | | | | | |
| STORAGE/SHELF LIFE | 2 - 8° C / 1 year from date of receipt | | | | | | |
| PHYSICAL STATE | Liquid | | | | | | |
| BUFFER | Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide | | | | | | |
| ISOTYPE | IgG | | | | | | |
| ORIGIN | USA | | | | | | |
| PRODUCTION PROCEDURES | <p>Antibody was affinity purified using an epitope specific to HSP27 immobilized on solid support.</p> <p>The epitope recognized by A304-710A maps to a region between residue 155 to 205 of human Heat Shock 27kDa Protein 1 using the numbering given in entry NP_001531.1 (GeneID 3315).</p> <p>Antibody concentration was determined by extinction coefficient: absorbance at 280 nm of 1.4 equals 1.0 mg of IgG.</p> | | | | | | |
| APPLICATIONS | <p>Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.</p> <table><tr><td>Western Blot</td><td>1:2,000 - 1:10,000</td></tr><tr><td>Immunoprecipitation</td><td>2 - 10 µg/mg lysate</td></tr><tr><td>Immunohistochemistry</td><td>1:2,000 - 1:10,000. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.</td></tr></table> | Western Blot | 1:2,000 - 1:10,000 | Immunoprecipitation | 2 - 10 µg/mg lysate | Immunohistochemistry | 1:2,000 - 1:10,000. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections. |
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| APPLICATION NOTES | <p>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 4-20% SDS-PAGE (link to IP-western blot protocol in Additional Info section below).</p> <p>Western blot of lysates performed using standard western blot reagents and 4-20% SDS-PAGE.</p> | | | | | | |
| IHC HUMAN CONTROLS | Breast Carcinoma, Colon Carcinoma, Osteosarcoma, Ovarian Carcinoma | | | | | | |
| ADDITIONAL INFO | <p>https://www.bethyl.com/product/A304-710A</p> <p>Use the link above to view SDS, a current list of citations, and other product specific information.</p> <p>IP-western blot protocol: https://www.bethyl.com/content/protocol_IP_WB</p> | | | | | | |

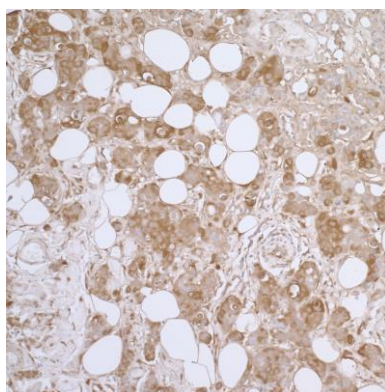
This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.
Eric McIntush, PhD | Chief Scientific Officer Date: June 21, 2019



Detection of human HSP27 by western blot. *Samples:* Whole cell lysate (50 µg) from HeLa and 293T cells prepared using NETN lysis buffer. *Antibodies:* Affinity purified rabbit anti-HSP27 antibody A304-710A (lot A304-710A-1) used for WB at 0.1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 10 seconds.



Detection of human HSP27 by western blot of immunoprecipitates. *Samples:* Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from 293T cells prepared using NETN lysis buffer. *Antibodies:* Affinity purified rabbit anti-HSP27 antibody A304-710A (lot A304-710A-1) used for IP at 6 µg per reaction. HSP27 was also immunoprecipitated by rabbit anti-HSP27 antibody A304-709A. For blotting immunoprecipitated HSP27, A304-710A was used at 0.4 µg/ml. *Detection:* Chemiluminescence with an exposure time of 10 seconds.



Detection of human HSP27 by immunohistochemistry.

Sample: FFPE section of human ovarian carcinoma.

Antibody: Affinity purified rabbit anti-HSP27 (Cat. No. A304-710A Lot1) used at a dilution of 1:5,000 (0.2µg/ml).

Detection: DAB