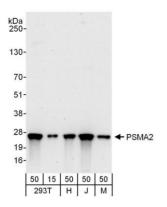
## **PSMA2** Antibody

|   |  | 7   |                   |   |                          |
|---|--|---|-------------------|---|--------------------------|
| Rabbit Polyclo<br>Antigen Affini  | ed Prot                                | ein ID  | NP_002778.1       |   |                          |
| Catalog No.   | A303-8                                 | 816A Gene   | ID                | 5683  | DETUVI                   |
| Lot No.   | A303-8                                 | 816A-1  | LABORATORIES, INC |   |                          |
| APPLICATIONS  |  | WB, IHC   |                   |   |                          |
| SPECIES REACTIVITY  |  | Human, Mouse  |                   |   |                          |
| PRESUMED REACTIVITY   |  | Based on 100% sequence identity, this antibody is predicted to react with Bovine  |                   |   |                          |
| AMOUNT  |  | 100 μΙ  |                   |   |                          |
| 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   |  | lgG   |                   |   |                          |
| ORIGIN  |  | USA   |                   |   |                          |
| PRODUCTION<br>PROCEDURES  |  | Antibody was affinity purified using an epitope specific to PSMA2 immobilized on solid support.   |                   |   |                          |
|   |  | The epitope recognized by A303-816A maps to a region between residue 184 and 234 of hu<br>Proteasome (prosome, macropain) Subunit, Alpha type, 2 using the numbering given in entry<br>NP_002778.1 (GeneID 5683). |                   |   |                          |
|   |  | Antibody 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               | 2,000 - 1:10,000  |                          |
|   |  | Immunoprecipitation   | No                | ot recommended  |                          |
|   |  | Immunohistochemist  |                   | 500 – 1:2,000. Epitope retrieval with commended for FFPE tissue sections. | citrate buffer pH 6.0 is |
| APPLICATION N   | Western blot of lysate                 | of lysates performed using standard western blot reagents and 4–20% SDS–PAGE.   |                   |   |                          |
| IHC HUMAN CC  | ONTROLS                                | Colon Carcinoma, Osteosarcoma, Ovarian Carcinoma  |                   |   |                          |
| IHC MOUSE CO  | HC MOUSE CONTROLS Renal Cell Carcinoma |   |                   |   |                          |
| ADDITIONAL INFO https://www.bethyl.com/product/A303-816A<br>Use the link above to view SDS, a current list of citations, and other product specific i |  |   |                   | er product specific information.  |                          |

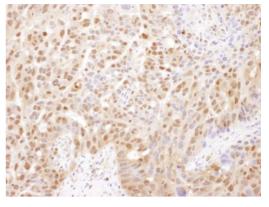
This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc. Eric McIntush, PhD | Chief Scientific Officer Date: June 21, 2019

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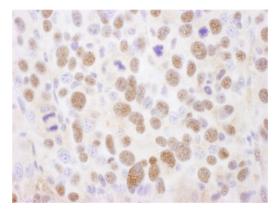
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Detection of human and mouse PSMA2 by western blot. Samples: Whole cell lysate from HEK293T (15 and 50  $\mu$ g), HeLa (H; 50  $\mu$ g), Jurkat (J; 50  $\mu$ g) and mouse NIH 3T3 (M; 50  $\mu$ g) cells. Antibodies: Affinity purified rabbit anti-PSMA2 antibody A303-816A used for WB at 0.1  $\mu$ g/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



**Detection of human PSMA2 by immunohistochemistry.** *Sample:* FFPE section of human ovarian carcinoma. *Antibody:* Affinity purified rabbit anti- PSMA2 (Cat. No. A303-816A Lot1) used at a dilution of 1:1,000 (1µg/ml). *Detection:* DAB



**Detection of mouse PSMA2 by immunohistochemistry.** *Sample:* FFPE section of mouse renal cell carcinoma. *Antibody:* Affinity purified rabbit anti- PSMA2 (Cat. No. A303-816A Lot1) used at a dilution of 1:1,000 (1µg/ml). *Detection:* DAB