

## Rabbit anti-Human, Mouse CD44 Polyclonal Antibody | anti-CD44 antibody

Rabbit anti-CD44 Antibody, Affinity Purified

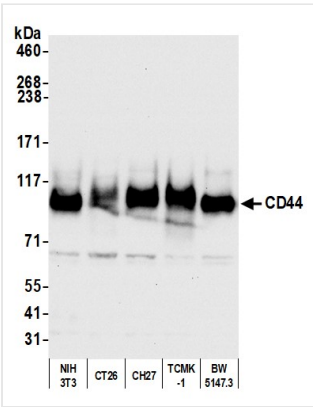
| CATALOG # | HOST   | REACTIVITY   | APPLICATIONS                                            |
|-----------|--------|--------------|---------------------------------------------------------|
| AAA212335 | Rabbit | Human, Mouse | Immunohistochemistry, Immunoprecipitation, Western Blot |

### PRODUCT SYNONYMS

CD44; Polyclonal Antibody; Rabbit anti-CD44 Antibody; Affinity Purified; MDU2; hyaluronate receptor; IN; Indian blood group antigen; LHR; MC56; MDU3; MIC4; Pgp1; HUTCH-I; PGP-I; phagocytic glycoprotein 1; Phagocytic glycoprotein I; PGP-1; chondroitin sulfate proteoglycan 8; homing function and Indian blood group system; soluble CD44; CD antigen CD44; CD44 antigen; cell surface glycoprotein CD44; CSPG8; ECMR-III; epican; extracellular matrix receptor III; GP90 lymphocyte homing/adhesion receptor; HCELL; hematopoietic cell E- and L-selectin ligand; heparan sulfate proteoglycan; Hermes antigen; CDW44; CD44 molecule (Indian blood group); anti-CD44 antibody

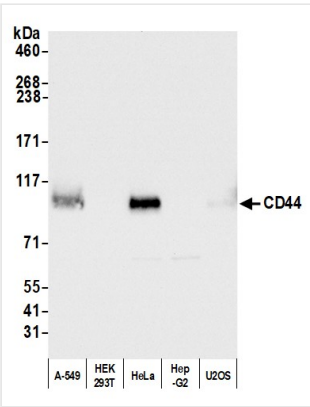
### PRODUCT SPECIFICATIONS

|                                                |                                                                                    |
|------------------------------------------------|------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                             |
| Reactivity                                     | Human, Mouse                                                                       |
| Clonality                                      | Polyclonal                                                                         |
| Purity/Purification                            | Antigen Affinity Purified                                                          |
| Form/Format                                    | Liquid. Whole IgG. Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide |
| Concentration                                  | 200ug/ml (varies by lot)                                                           |
| Applicable Applications for anti-CD44 antibody | IHC (Immunohistochemistry), IP (Immunoprecipitation), WB (Western Blot)            |
| Predicted Reactivity                           | Bovine, Horse, Golden hamster                                                      |
| Immunogen                                      | Between 692 and C-terminus                                                         |
| Conjugation                                    | Unconjugated                                                                       |
| Preparation and Storage                        | Store at 2-8 degree C<br>Shelf Life: 1 year from date of receipt                   |



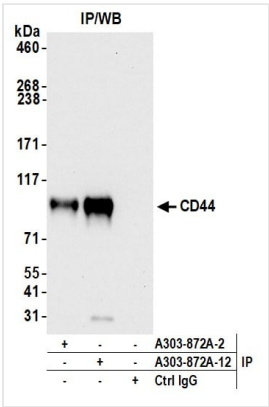
**WB (Western Blot)**

Detection of mouse CD44 by western blot. Samples: Whole cell lysate (50 ug) from NIH 3T3, CT26, CH27, TCMK-1, and BW5147.3 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-CD44 antibody AAA212335 (lot AAA212335-12) used for WB at 0.04 ug/ml. Detection: Chemiluminescence with an exposure time of 10 seconds.



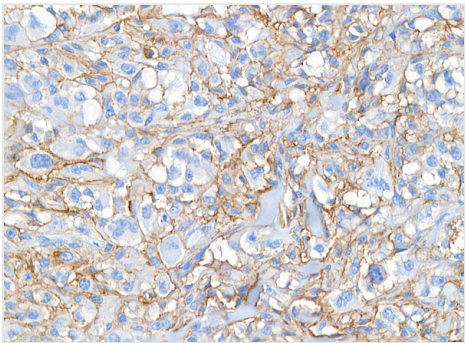
**WB (Western Blot)**

Detection of human CD44 by western blot. Samples: Whole cell lysate (10 ug) from A-549, HEK293T, HeLa, Hep-G2, and U2OS cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-CD44 antibody AAA212335 (lot AAA212335-12) used for WB at 0.04 ug/ml. Detection: Chemiluminescence with an exposure time of 3 seconds.



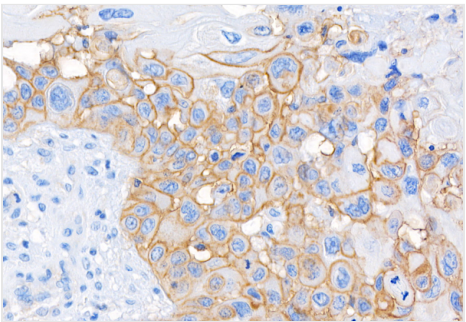
**IP (Immunoprecipitation)**

Detection of human CD44 by western blot of immunoprecipitates. Samples: Whole cell lysate (0.5 mg for IP; 20% of IP loaded) from HeLa cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-CD44 antibody AAA212335 (lot AAA212335-12) used for IP at 2 ug per reaction. CD44 was also immunoprecipitated by a previous lot of this antibody (lot AAA212335-2). For blotting immunoprecipitated CD44, rabbit recominant monoclonal antibody was used 1:1,000. Detection: Chemiluminescence with an exposure time of 10 seconds.



**IHC (Immunohistochemistry)**

Detection of human CD44 by immunohistochemistry. Sample: FFPE section of human melanoma. Antibody:Affinity purified rabbit anti-CD44 (Cat. No. AAA212335 Lot12) used at a dilution of 1:5,000 (0.2ug/ml). Substrate: DAB



**IHC (Immunohistochemistry)**

Detection of human CD44 by immunohistochemistry. Sample:FFPE section of head and neck squamous cell carcinoma. Antibody:Affinity purified rabbit anti-CD44 (Cat. No. AAA212335 Lot12) used at a dilution of 1:5,000 (0.2ug/ml). Substrate: DAB

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-CD44 antibody | CD44 is a cell-surface glycoprotein involved in cell-cell interactions, cell adhesion and migration. It is a receptor for hyaluronic acid (HA) and can also interact with other ligands, such as osteopontin, collagens, and matrix metalloproteinases (MMPs). CD44 participates in a wide variety of cellular functions including lymphocyte activation, recirculation and homing, hematopoiesis, and tumor metastasis [taken from NCBI Entrez Gene (Gene ID: 960)]. |
| Product Categories/Family for anti-CD44 antibody   | Primary Antibodies                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                                 |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 48255935                                                                                                                                                                                                                                                        |
| NCBI GeneID                      | 960                                                                                                                                                                                                                                                             |
| NCBI Accession #                 | NP_000601.3                                                                                                                                                                                                                                                     |
| NCBI GenBank Nucleotide #        | NM_000610.3                                                                                                                                                                                                                                                     |
| UniProt Accession #              | P16070; O95370; P22511; Q04858; Q13419; Q13957; Q13958; Q13959; A5YRN9; B6EAT9; D3DR12; D3DR13                                                                                                                                                                  |
| Molecular Weight                 | 81,538 Da                                                                                                                                                                                                                                                       |
| NCBI Official Full Name          | CD44 antigen isoform 1                                                                                                                                                                                                                                          |
| NCBI Official Synonym Full Names | CD44 molecule (Indian blood group)                                                                                                                                                                                                                              |
| NCBI Official Symbol             | CD44                                                                                                                                                                                                                                                            |
| NCBI Official Synonym Symbols    | IN; LHR; MC56; MDU2; MDU3; MIC4; Pgp1; CDW44; CSPG8; HCELL; HUTCH-I; ECMR-III                                                                                                                                                                                   |
| NCBI Protein Information         | CD44 antigen; epican; Hermes antigen; hyaluronate receptor; phagocytic glycoprotein 1; heparan sulfate proteoglycan; cell surface glycoprotein CD44; extracellular matrix receptor III; chondroitin sulfate proteoglycan 8; GP90 lymphocyte homing/adhesion rec |
| UniProt Protein Name             | CD44 antigen                                                                                                                                                                                                                                                    |
| UniProt Gene Name                | CD44                                                                                                                                                                                                                                                            |
| UniProt Synonym Gene Names       | LHR; MDU2; MDU3; MIC4; ECMR-III; PGP-1; PGP-I                                                                                                                                                                                                                   |
| UniProt Entry Name               | CD44_HUMAN                                                                                                                                                                                                                                                      |

**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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://www.aaabiotech.com/polyclonal/cd44-antibody-immunohistochemistry-immunoprecipitation-western-blot-elisa/212335>