CD44 Antibody

Rabbit Polyclonal

Antigen Affinity Purified	RefSeq ID	NP_000601.3
Catalog No. A303-872A	Uniprot ID	P16070
Lot No. A303-872A-12	GeneID	960

APPLICATIONS	WB, IP, IHC
SPECIES REACTIVITY	Human, Mouse
PRESUMED REACTIVITY	Based on 100% sequence identity, this antibody is predicted to react with Bovine, Horse and Golden hamster
AMOUNT	100 µl
CONCENTRATION	200 µg/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 CD44 immobilized on solid support.
	The epitope recognized by A303-872A maps to a region between residue 692 and 742 of human Cell Surface Glycoprotein CD44 using the numbering given in entry NP_000601.3 (GeneID 960).
	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.

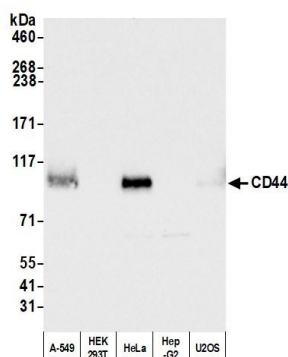|	
Western Blot	1:2,000 – 1:10,000
Immunoprecipitation	2 – 10 µg/mg lysate
Immunohistochemistry	1:1,000 to 1:5,000. Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE tissue sections.

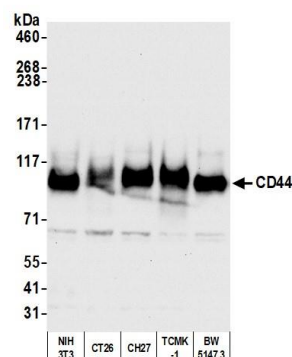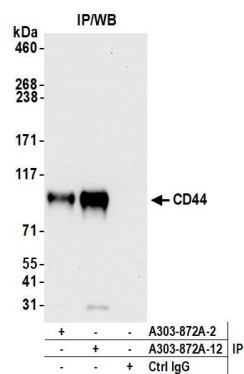|	
IHC HUMAN CONTROLS	Colon Carcinoma, Head and Neck Squamous Cell Carcinoma, Ovarian Carcinoma, Skin Melanoma, Testicular Seminoma
IHC MOUSE CONTROLS	Plasmacytoma, Teratoma, CT26 cells
ADDITIONAL INFO	https://www.fortislife.com/p/A303-872A
	Use the link above to view SDS, a current list of citations, and other product specific information.

This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.
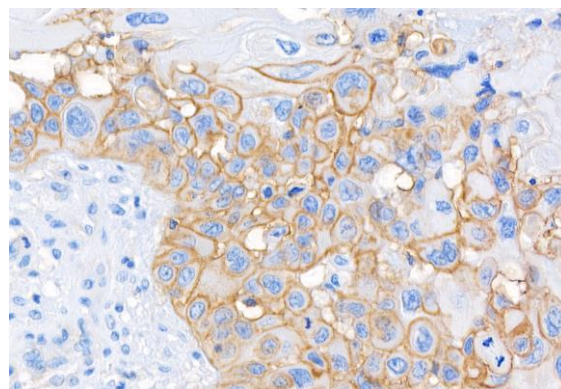
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Date: November 15, 2022

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Detection of human CD44 by western blot. *Samples:* Whole cell lysate (10 µg) from A-549, HEK293T, HeLa, Hep-G2, and U2OS cells prepared using NETN lysis buffer. *Antibody:* Affinity purified rabbit anti-CD44 antibody A303-872A (lot A303-872A-12) used for WB at 0.04 µg/ml. *Detection:* Chemiluminescence with an exposure time of 3 seconds.
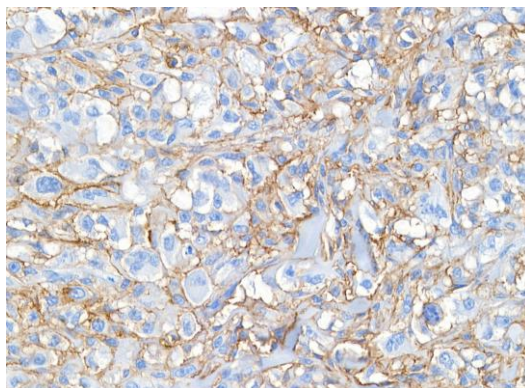

Detection of mouse CD44 by western blot. *Samples:* Whole cell lysate (50 µg) from NIH 3T3, CT26, CH27, TCMK-1, and BW5147.3 cells prepared using NETN lysis buffer. *Antibody:* Affinity purified rabbit anti-CD44 antibody A303-872A (lot A303-872A-12) used for WB at 0.04 µg/ml. *Detection:* Chemiluminescence with an exposure time of 10 seconds.

Detection of human CD44 by western blot of immunoprecipitates. *Samples:* Whole cell lysate (0.5 mg for IP; 20% of IP loaded) prepared using NETN buffer from HeLa cells prepared using NETN lysis buffer. *Antibodies:* Affinity purified rabbit anti-CD44 antibody A303-872A (lot A303-872A-12) used for IP at 2 µg per reaction. CD44 was also immunoprecipitated by a previous lot of this antibody (lot A303-872A-2). For blotting immunoprecipitated CD44, rabbit recominant monoclonal antibody A700-038 was used 1:1,000. *Detection:* Chemiluminescence with an exposure time of 10 seconds.

Detection of human CD44 by immunohistochemistry. Sample:FFPE section of human head and neck squamous cell carcinoma. *Antibody:*Affinity purified rabbit anti-CD44 (Cat. No. A303-872A Lot12) used at a dilution of 1:5,000 (0.2µg/ml). *Substrate:* DAB

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**Detection of human CD44 by immunohistochemistry.
Sample: FFPE section of human melanoma.**
*Antibody:*Affinity purified rabbit anti-CD44 (Cat. No.
A303-872A Lot12) used at a dilution of 1:5,000 (0.2
µg/ml). *Substrate:* DAB

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