

Rabbit anti-Human CD44 Polyclonal Antibody | anti-CD44 antibody

CD44 Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA291022	Rabbit	Human	Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay

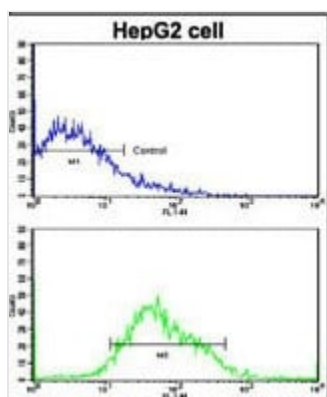
PRODUCT SYNONYMS

CD44; Polyclonal Antibody; CD44 Antibody (N-term); CD44 antigen; CDw44; Epican; Extracellular matrix receptor III; ECMR-III; GP90 lymphocyte homing/adhesion receptor; HUTCH-I; Heparan sulfate proteoglycan; Hermes antigen; Hyaluronate receptor; Phagocytic glycoprotein 1; PGP-1; Phagocytic glycoprotein I; PGP-I; LHR; MDU2; MDU3; MIC4; anti-CD44 antibody

PRODUCT SPECIFICATIONS

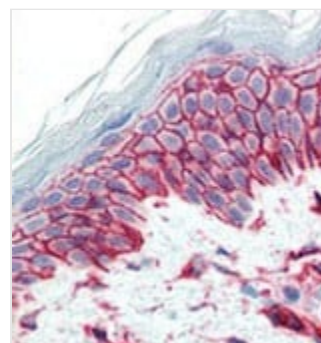
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	This CD44 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 147~176 amino acids from the N-terminal region of human CD44.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Applicable Applications for anti-CD44 antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Antigen Region	147-176
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



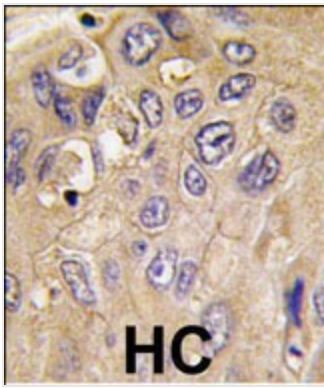
FCM/FACS (Flow Cytometry)

Dilution: FC: 1:10~50 Flow cytometric analysis of HepG2 cells using CD44 Antibody (N-term) (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



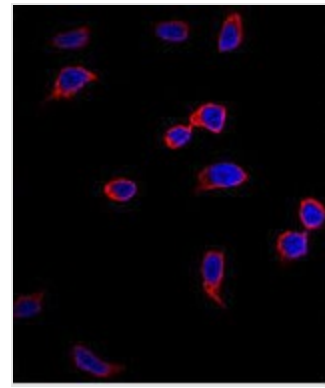
IHC (Immunohistochemistry)

Dilution: IHC-P: 1:10~50



IHC (Immunohistochemistry)

Dilution: IHC-P 1:10~50 Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with CD44 antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



IF (Immunofluorescence)

Dilution: IF 1:10~50 Immunofluorescence analysis of anti-CD44 Antibody (N-term) in HeLa cells. 0.025 mg/ml primary antibody was followed by Alexa-Fluor-546-conjugated donkey anti-rabbit IgG (H+L). Alexa-Fluor-546 emits orange fluorescence. Blue counterstaining is DAPI.

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). This protein participates in a wide variety of cellular functions including lymphocyte activation, recirculation and homing, hematopoiesis, and tumor metastasis.
Product Categories/Family for anti-CD44 antibody	Primary Antibodies ; Cancer ; Immunology ; Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	48255935
NCBI GeneID	960
NCBI Accession #	NP_000601.3 ; NP_001001389.1 ; NP_001001390.1 ; NP_001001391.1 ; NP_001001392.1 ; NP_001189484.1 ; NP_001189485.1 ; NP_001189486.1
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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/cd44-antibody-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/291022>