

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

CD44 antigen isoform 4 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA305712	Rabbit	Human	Immunofluorescence, Immunohistochemistry, Western Blot

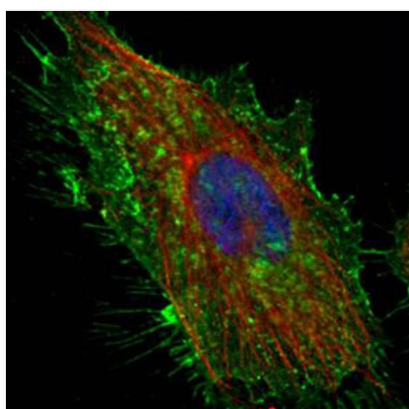
PRODUCT SYNONYMS

CD44; Polyclonal Antibody; CD44 antigen isoform 4 antibody; anti-CD44 antibody

PRODUCT SPECIFICATIONS

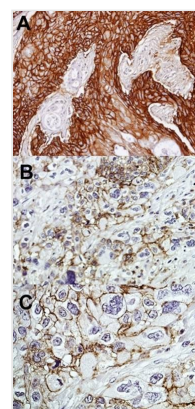
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Purified by antigen-affinity chromatography.
Form/Format	Supplied in 1XPBS, 1%BSA, 20% Glycerol (pH7.0). 0.01% Thimerosal was added as a preservative.
Sequence Length	361
Applicable Applications for anti-CD44 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Recombinant protein
Immunogen Description	Recombinant protein fragment contain a sequence corresponding to a region within amino acids 1 and 258 of CD44
Target Name	CD44 antigen isoform 4
Preparation and Storage	Store at -20 degree C for long term preservation (recommended). Store at 4 degree C for short term use.

IMAGES



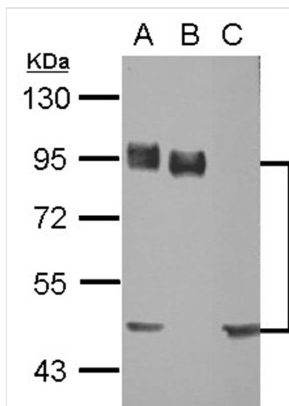
IF (Immunofluorescence)

Confocal immunofluorescence analysis (Olympus FV10i) of methanol-fixed HeLa, using CD44 antibody (Green) at 1: 500 dilution and alpha-tubulin antibody (Red) at 1: 2000.



IHC (Immunohistochemistry)

A:Immunohistochemical analysis of paraffin-embedded Cal27 xenograft, using CD44 antibody at 1: 100 dilution. B:Immunohistochemical analysis of paraffin-embedded Human pancreatic tumor, using CD44 antibody at 1: 100 dilution.(20X) C:Immunohistochemical analysis of paraffin-embedded Human pancreatic tumor, using CD44 antibody at 1: 100 dilution.(40X)



Application Data

Sample (30 ug of whole cell lysate) A: A549 B: H1299 C: MCF-7 10% SDS PAGE Primary antibody diluted at 1: 10000

ADDITIONAL INFORMATION

Related Product Information for anti-CD44 antibody	The protein encoded by this gene 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. Transcripts for this gene undergo complex alternative splicing that results in many functionally distinct isoforms, however, the full length nature of some of these variants has not been determined. Alternative splicing is the basis for the structural and functional diversity of this protein, and may be related to tumor metastasis. [provided by RefSeq]
Product Categories/Family for anti-CD44 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	48255941
NCBI GeneID	960
NCBI Accession #	NP_001001391
NCBI GenBank Nucleotide #	NM_001001391.1
Molecular Weight	15,635 Da
NCBI Official Full Name	CD44 antigen isoform 4
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
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.