

Datasheet for ABIN7266201
anti-CD44 antibody (AA 346-385)

6 Images

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Overview

Quantity:	100 µL
Target:	CD44
Binding Specificity:	AA 346-385
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CD44 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Purpose:	CD44 Rabbit pAb
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 346-385 of human CD44 (NP_000601.3).
Sequence:	DVDRNGTTAY EGNWNPEAHP PLIHHEHHEE EETPHSTSTI
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	CD44
Alternative Name:	CD44 (CD44 Products)
Background:	<p>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.,CDW44,CSPG8,ECMR-III,HCELL,HUTCH-I,IN,LHR,MC56,MDU2,MDU3,MIC4,Pgp1,CD44,CD44,Cancer,Tumor immunology,Tumor biomarkers,Immunology & Inflammation,CD markers,Stem Cells,Hematopoietic Progenitors,Mesenchymal Stem Cells,CD44</p>
Molecular Weight:	81kDa
Gene ID:	960
UniProt:	P16070
Pathways:	Glycosaminoglycan Metabolic Process , Autophagy , Negative Regulation of intrinsic apoptotic Signaling

Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200,IF,1:50 - 1:200
Restrictions:	For Research Use only

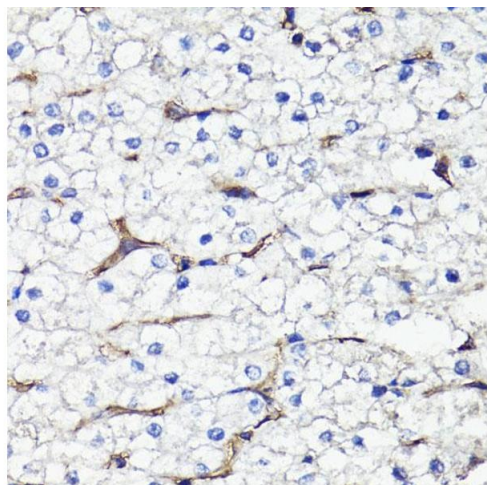
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C

Handling

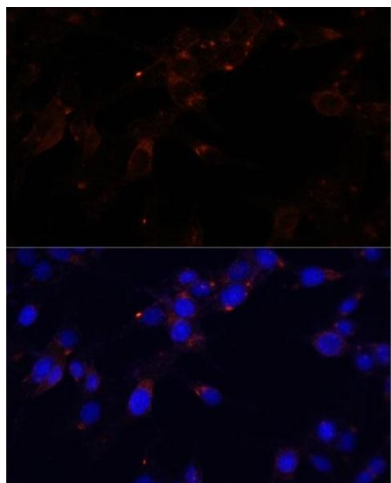
Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

Images



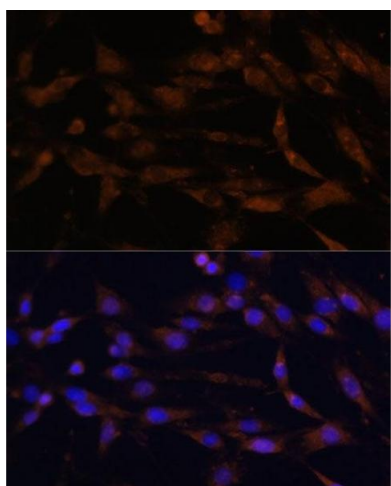
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human liver using CD44 antibody (ABIN7266201) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunofluorescence

Image 2. Immunofluorescence analysis of HeLa cells using CD44 antibody (ABIN7266201) at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence

Image 3. Immunofluorescence analysis of C6 cells using CD44 antibody (ABIN7266201) at dilution of 1:100. Blue: DAPI for nuclear staining.

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN7266201.