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Datasheet for ABIN7266199

## anti-CD44 antibody

### 7 Images

#### Overview

Quantity:	100 µL
Target:	CD44
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This CD44 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

#### Product Details

Purpose:	CD44 Rabbit mAb
Immunogen:	A synthesized peptide derived from human CD44
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

#### Target Details

Target:	CD44
Alternative Name:	CD44 ( <a href="#">CD44 Products</a> )
Background:	The protein encoded by this gene is a cell-surface glycoprotein involved in cell-cell interactions,

## Target Details

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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, Jul 2008],CDW44,CSPG8,ECMR-III,HCELL,HUTCH-I,IN,LHR,MC56,MDU2,MDU3,MIC4,Pgp1,CD44,CD44,Cancer,CDs,Hematopoietic Progenitors,Immunology & Inflammation,Mesenchymal Stem Cells,Stem Cells,Tumor biomarkers,Tumor immunology,CD44

Molecular Weight:	82kDa
Gene ID:	960
UniProt:	<a href="#">P16070</a>
Pathways:	<a href="#">Glycosaminoglycan Metabolic Process</a> , <a href="#">Autophagy</a> , <a href="#">Negative Regulation of intrinsic apoptotic Signaling</a>

## Application Details

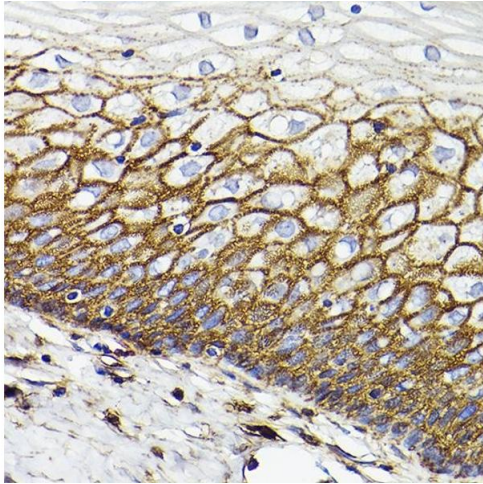
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Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200
Restrictions:	For Research Use only

## Handling

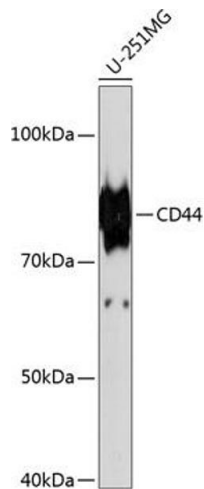
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Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



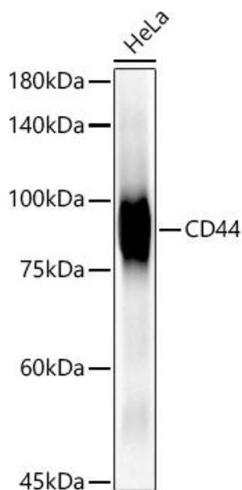
### Immunohistochemistry

**Image 1.** Immunohistochemistry of paraffin-embedded Human normal cervix using CD44 antibody 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.



### Western Blotting

**Image 2.** Western blot analysis of extracts of U-251MG cells, using CD44 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 3 min.



### Western Blotting

**Image 3.** Western blot analysis of extracts of HeLa cells, using CD44 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN7266199.