

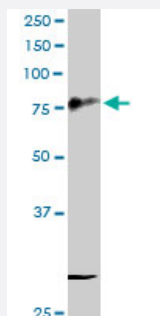
MaxPab®

## CD44 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00000960-D01P

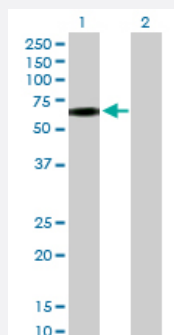
Size 100 ug

### Applications



#### Western Blot (Tissue lysate)

CD44 MaxPab rabbit polyclonal antibody. Western Blot analysis of CD44 expression in human spleen.

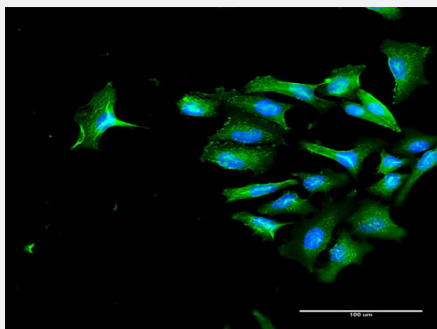


#### Western Blot (Transfected lysate)

Western Blot analysis of CD44 expression in transfected 293T cell line ([H00000960-T02](#)) by CD44 MaxPab polyclonal antibody.

Lane 1: CD44 transfected lysate(39.40 KDa).

Lane 2: Non-transfected lysate.



#### Immunofluorescence

Immunofluorescence of purified MaxPab antibody to CD44 on HeLa cell. [antibody concentration 30 ug/ml]

### Specification

#### Product Description

Rabbit polyclonal antibody raised against a full-length human CD44 protein.

|                                      |                                                                                                                                                                                                                                                                                                                                                                                            |
|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Immunogen</b>                     | CD44 (ENSP00000263398, 1 a.a. ~ 361 a.a) full-length human protein.                                                                                                                                                                                                                                                                                                                        |
| <b>Sequence</b>                      | MDKFWWHAAWGLCLVPLSLAQIDLNITCRFAGVFHVEKNGRYSISRTEAADLCKAFNSTLPTMAQ<br>MEKALSIGFETCRYGFIEGHVVIPRIHPNSICAANNTGVYILTSNTSQYDTYCFNASAPPEEDCTSVT<br>DLPNAFDGPITITVNRDGRYVQKGEYRTNPEDIYPSNPTDDDVSSGSSERSSTSGGYIFYTFSTV<br>HPIPEDSPWITDSTDRIPATRDQDTFHPSGGSHHTHGSESDGHSHGSQEGGANTTSGPIRTPQIP<br>EWLILASLLALALILAVCIAVNSRRRCGQKKKLVINSNGNGAVEDRKPSGLNGEASKSQEMVHLVN<br>KESSETPDQFMTADETRNLQNVDMMKIGV |
| <b>Host</b>                          | Rabbit                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Reactivity</b>                    | Human                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Interspecies Antigen Sequence</b> | Mouse (77)                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Quality Control Testing</b>       | Antibody reactive against mammalian transfected lysate.                                                                                                                                                                                                                                                                                                                                    |
| <b>Storage Buffer</b>                | In 1x PBS, pH 7.4                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Storage Instruction</b>           | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                                                                                                                                   |

## Applications

- Western Blot (Tissue lysate)

CD44 MaxPab rabbit polyclonal antibody. Western Blot analysis of CD44 expression in human spleen.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of CD44 expression in transfected 293T cell line ([H00000960-T02](#)) by CD44 MaxPab polyclonal antibody.

Lane 1: CD44 transfected lysate(39.40 KDa).

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[Protocol Download](#)

- Immunofluorescence

Immunofluorescence of purified MaxPab antibody to CD44 on HeLa cell. [antibody concentration 30 ug/ml]

## Gene Info — CD44

Entrez GeneID

[960](#)

GeneBank Accession#

[NM\\_001001391.1](#)

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protein Accession# | <a href="#">ENSP00000263398</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Gene Name          | CD44                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Gene Alias         | CDW44, CSPG8, ECMR-III, HCELL, IN, LHR, MC56, MDU2, MDU3, MGC10468, MIC4, MUTCH-I, Pgp1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Gene Description   | CD44 molecule (Indian blood group)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Omim ID            | <a href="#">107269</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Gene Ontology      | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Gene Summary       | 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] |
| Other Designations | CD44 antigen CD44 antigen (homing function and Indian blood group system) CDW44 antigen GP90 lymphocyte homing/adhesion receptor Hermes antigen antigen gp90 homing receptor cell adhesion molecule cell surface glycoprotein CD44 chondroitin sulfate proteoglycan                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

## Pathway

- [ECM-receptor interaction](#)
- [Hematopoietic cell lineage](#)

## Disease

- [Arthritis](#)
- [Breast Neoplasms](#)
- [Cardiovascular Diseases](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Craniofacial Abnormalities](#)
- [Diabetes Mellitus](#)

- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Heart Defects](#)
- [Hepatitis B](#)
- [Kidney Failure](#)
- [Mouth Abnormalities](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Ovarian Neoplasms](#)