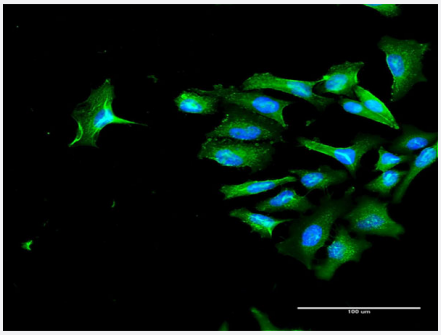
MaxPab®

CD44 purified MaxPab rabbit polyclonal antibody (D01P)

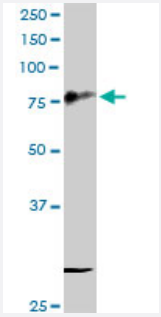
Catalog # H00000960-D01P Size 100 ug

Applications



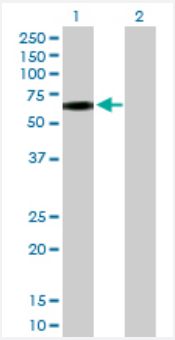
Immunofluorescence

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



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.

Specification

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

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

Applications

- Immunofluorescence

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

  Protocol Download

- 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).
  Lane 2: Non-transfected lysate.

  Protocol Download

Gene Info — CD44

Entrez GeneID	960

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GeneBank Accession#	NM_001001391.1
Protein Accession#	ENSP00000263398
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	107269
Gene Ontology	Hyperlink
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 proteogl

Pathway

- ECM-receptor interaction
- Hematopoietic cell lineage

Disease

- Arthritis
- Breast Neoplasms
- Cardiovascular Diseases
- Cleft Lip
- Cleft Palate

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- 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

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