

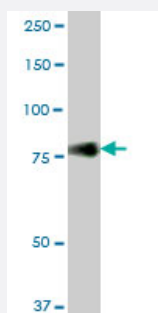
MaxPab®

CD44 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00000960-B01P

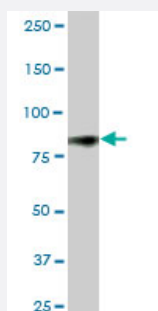
Size 50 ug

Applications



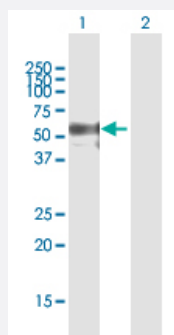
Western Blot (Tissue lysate)

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



Western Blot (Cell lysate)

CD44 MaxPab polyclonal antibody. Western Blot analysis of CD44 expression in HepG2.

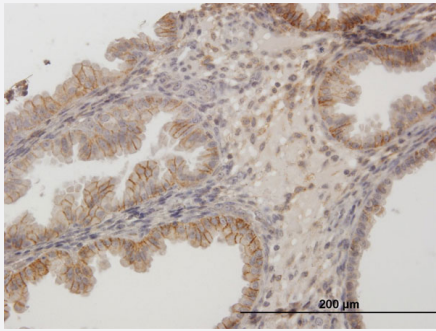


Western Blot (Transfected lysate)

Western Blot analysis of CD44 expression in transfected 293T cell line ([H00000960-T01](#)) by CD44 MaxPab polyclonal antibody.

Lane 1: CD44 transfected lysate(39.71 KDa).

Lane 2: Non-transfected lysate.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of purified MaxPab antibody to CD44 on formalin-fixed paraffin-embedded human endometrium. [antibody concentration 3 ug/ml]

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human CD44 protein.
Immunogen	CD44 (ENSP00000263398, 1 a.a. ~ 361 a.a) full-length human protein.
Sequence	MDKFWWHAAWGLCLVPLSLAQIDLNITCRFAGVFHVEKNGRYSISRTEAADLCKAFNSTLPTMAQ MEKALSIGFETCRYGFIEGHVVIPRIHPNSICAANNTGVYILTSNTSQDYTYCFNASAPPEEDCTSVT DLPNAFDGPITITVNRDGTTRYVQKGEYRTNPEDIYPSNPTDDDVSSGSSSERSSTSGGYIFYTFSTV HPIPEDDSPWITDSTDRIPATRDQDTFHPSGGSHTTHGSESDGHSHGSQEGGANTTSGPIRTPQIP EWLILASLLALALILAVCIAVNSRRRCGQKKLVINSGNGAVEDRKPSGLNGEASKSQEMVHLVN KESSETPDQFMTADETRNLQNVDMKIGV
Host	Mouse
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

- Western Blot (Tissue lysate)

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

[Protocol Download](#)

- Western Blot (Cell lysate)

CD44 MaxPab polyclonal antibody. Western Blot analysis of CD44 expression in HepG2.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of CD44 expression in transfected 293T cell line ([H00000960-T01](#)) by CD44 MaxPab polyclonal antibody.

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[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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[Protocol Download](#)

Gene Info — CD44

Entrez GeneID	960
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|G
P90 lymphocyte homing/adhesion receptor|Hermes antigen|antigen gp90 homing receptor|cell ad
hesion molecule|cell surface glycoprotein CD44|chondroitin sulfate proteogl

Publication Reference

- [CD44 Promotes Intoxication by the Clostridial Iota-Family Toxins.](#)

Wigelsworth DJ, Ruthel G, Schnell L, Herrlich P, Blonder J, Veenstra TD, Carman RJ, Wilkins TD, Van Nhieu GT, Pauillac S, Gibert M, Sauvonnnet N, Stiles BG, Popoff MR, Barth H.

PLoS One 2012 Dec; 7(12):e51356.

Application: IP, Chlamydia Species, Clostridium perfringens iota toxin

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](#)