

35-1701: Polyclonal Antibody to CD44

Clonality :	Polyclonal
Application :	WB,IF
Reactivity :	Human
Gene :	CD44
Gene ID :	960
Uniprot ID :	P16070
Format :	Purified
Alternative Name :	LHR, MDU2, MDU3, MIC4
Isotype :	Rabbit IgG
Immunogen Information :	Peptide sequence around aa.734~738(Q-N-V-D-M) derived from Human CD44.

Description

Receptor for hyaluronic acid (HA). Mediates cell-cell and cell-matrix interactions through its affinity for HA, and possibly also through its affinity for other ligands such as osteopontin, collagens, and matrix metalloproteinases (MMPs). Adhesion with HA plays an important role in cell migration, tumor growth and progression. Also involved in lymphocyte activation, recirculation and homing, and in hematopoiesis. Altered expression or dysfunction causes numerous pathogenic phenotypes. Great protein heterogeneity due to numerous alternative splicing and post-translational modification events. Teriete P.,et.al(2004) Mol. Cell 13:483-496 Bartolazzi A. (2003)Melanoma Res. 13:325-337 Liu T.et.al (2005)J. Proteome Res. 4:2070-2080

Product Info

Amount :	50 μ l / 100 μ l
Content :	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage condition :	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Predicted MW: 80kd, Western blotting: 1:500~1:1000, Immunofluorescence:1:100~1:200

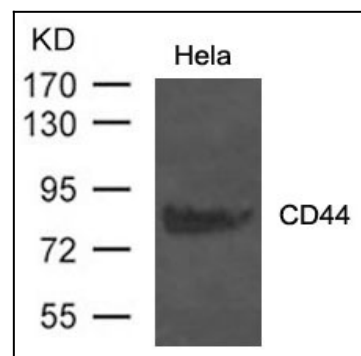


Figure 1: Western blot analysis of extract from HeLa cells using CD44 Antibody 35-1701

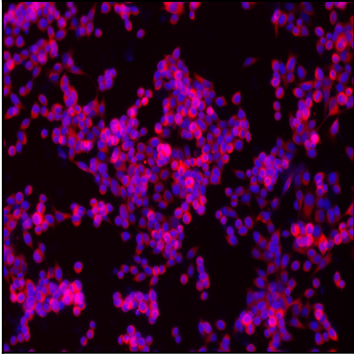


Figure 2: Immunofluorescence staining of methanol-fixed NCI-h446 cells showing cytoplasmic staining using CD44 Antibody 35-1701 .