

RACO0032

---

## Product Information

**Size:**

50ul

**Reactivity:**

Human

**Source:**

Human

**Isotype:**

Rabbit IgG

**Applications:**

ELISA, WB, IHC

**Recommended dilutions:**

WB:1:500-1:5000, IHC:1:50-1:500

**Protein Background:**

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. In cancer cells, may play an important role in invadopodia formation. 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. Receptor for LGALS9; the interaction enhances binding of SMAD3 to the FOXP3 promoter, leading to up-regulation of FOXP3 expression and increased induced regulatory T (iTreg) cell stability and suppressive function (By similarity).

**Gene ID:**

CD44

**Uniprot**

P16070

**Synonyms:**

CD44 antigen, CDw44, Epican, Extracellular matrix receptor III, ECMR-III, GP90 lymphocyte homing/adhesion receptor, HUTCH-I, Heparan sulfate proteoglycan, Hermes antigen, Hyaluronate receptor, Phagocytic glycoprotein 1, PGP-1, Phagocytic glycoprotein I, PGP-I, CD44, CD44, LHR, MDU2, MDU3, MIC4

**Immunogen:**

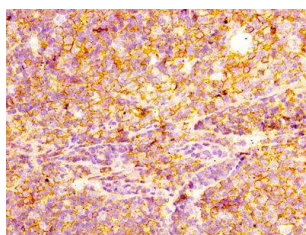
A synthesized peptide.

**Storage:**

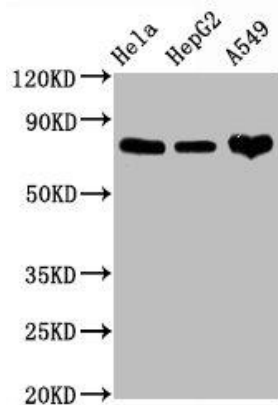
Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

## Product Images

---



IHC image of RACO0032 diluted at 1:100 and staining in paraffin-embedded human tonsil tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



### Western Blot

Positive WB detected in (Hela whole cell lysate) HepG2 whole cell lysate) A549 whole cell lysate) All lanes: CD44 antibody at 1.25µg/ml

Secondary

Goat polyclonal to rabbit IgG at 1:50000 dilution

Predicted band size: 82 KDa

Observed band size: 82 KDa