

## Goat anti-CD44 Antibody

Item Number	dAP-2960
Target Molecule	Principle Name: CD44; Official Symbol: CD44; All Names and Symbols: CD44; CD44 molecule (Indian blood group); CDW44; CSPG8; ECMR-III; HCELL; HUTCH-I; IN; LHR; MC56; MDU2; MDU3; MIC4; Pgp1; CD44 antigen; GP90 lymphocyte homing/adhesion receptor; Hermes antigen; cell surface glycoprotein CD44; chondroitin sulfate proteoglyc; Accession Number (s): NP_000601.3; NP_001001389.1; NP_001001390.1; NP_001001391.1; NP_001001392.1; NP_001189484.1; NP_001189485.1;
Immunogen	NRDGTRYVQKGEYRT, is from internal region This antibody is expected to recognize reported isoforms 1, 2, 3, 4, 6, 7, 8 (NP_000601.3; NP_001001389.1; NP_001001390.1; NP_001001391.1; NP_001189484.1; NP_001189485.1;
Applications	Pep ELISA, WB Species Tested: Human
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	Lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 128000.
Western Blot	Western Blot: Approx 75-82kDa band observed in lysates of cell line U-2 OS (calculated MW of 81.5kDa according to NP_000601.3 and 76.6 according to NP_001001389.1). Recommended concentration: 0.01-0.03µg/ml.
IHC	
Reference	Reference(s): Zhu X, Morales FC, Agarwal NK, Dogruluk T, Gagea M, Georgescu MM. Moesin is a glioma progression marker that induces proliferation and Wnt/β-catenin pathway activation via interaction with CD44. <i>Cancer research</i> 2013 Feb 73 (3): 1142-55..PMID: 23221384->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**