



Anti-CD44 polyclonal antibody (CPBT-65363GH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview This product specifically recognises epitopes encoded by exons v3-v10 on the variant portion of human CD44. CD44 is a ubiquitously expressed type 1 transmembrane glycoprotein and proteoglycan, otherwise known as phagocytic glycoprotein 1 (pgp 1), which acts as a receptor for the major extracellular matrix component hyaluronate, and also binds other ligands including collagen and matrix metalloproteinases (MMPs). CD44 is known to play a role in cell-cell interactions, cell adhesion, the activation and homing of lymphocytes, cell migration, haematopoiesis and metastasis, and exists as a number of isoforms generated by the alternative RNA splicing of at least 10 variant exons (CD44v).

Specificity	CD44v3-v10
Immunogen	Recombinant human CD44v3-v10
Isotype	IgG
Source/Host	Goat
Species Reactivity	Human
Conjugate	Unconjugated
Applications	IHC-Fr; IHC-P
Format	Purified IgG - liquid
Size	1 mg
Preservative	0.09% Sodium Azide
Storage	in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a

precipitate we recommend microcentrifugation before use.

GENE INFORMATION

Gene Name	CD44 CD44 molecule (Indian blood group) [Homo sapiens (human)]
Official Symbol	CD44
Synonyms	CD44; CD44 molecule (Indian blood group); IN; LHR; MC56; MDU2; MDU3; MIC4; Pgp1; CDW44; CSPG8; HCELL; HUTCH-I; ECMR-III; CD44 antigen; epican; Hermes antigen; hyaluronate receptor; phagocytic glycoprotein 1; heparan sulfate proteoglycan; cell surface glyc
Entrez Gene ID	960
Protein Refseq	NP_000601
UniProt ID	P16070
Chromosome Location	11p13
Pathway	Cell surface interactions at the vascular wall; Cytokine Signaling in Immune system; Defective B3GAT3 causes JDSSDHD; Defective B4GALT1 causes B4GALT1-CDG (CDG-2d); Defective B4GALT7 causes EDS, progeroid type; Defective CHST14 causes EDS, musculocontractural type; Defective CHST3 causes SEDCJD; Defective CHST6 causes MCDC1;
Function	collagen binding; contributes_to cytokine receptor activity; hyaluronic acid binding; hyaluronoglucosaminidase activity; protein binding;
