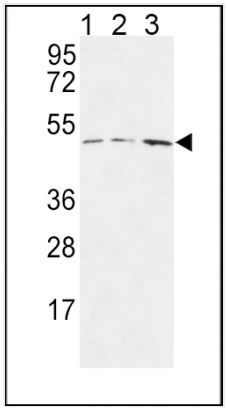
HAPLN1 Antibody – Rabbit Polyclonal

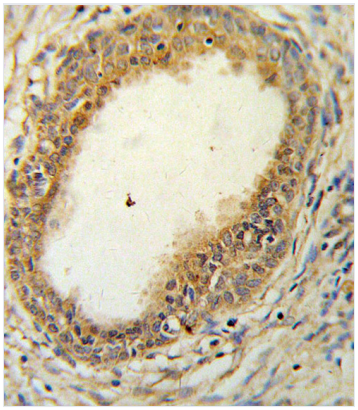
PRODUCT OVERVIEW

Product Name	HAPLN1, Polyclonal Antibody
Full Product Name	HAPLN1 Antibody (N-term)
Product Gene Name	anti-HAPLN1 antibody
Product Synonym Names	Hyaluronan and proteoglycan link protein 1; Cartilage-linking protein 1; Cartilage-link protein; Proteoglycan link protein; HAPLN1; CRTL1
Clonality	Polyclonal
Isotype	Rabbit Ig
Host	Rabbit
Species Reactivity	Human
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Concentration	Vial Concentration: 0.5 (lot specific)
Specificity	This HAPLN1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 10-38 amino acids from the N-terminal region of human HAPLN1.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Antibody/Peptide Pairs	HAPLN1 peptide (MBS9228406) is used for blocking the activity of HAPLN1 antibody (MBS9201211)
Molecular Weight	40166
Immunogen Sequence Positions	10-38
OMIM	115435
3D Structure	ModBase 3D Structure for P10915
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Product Categories/Family for anti-HAPLN1 antibody	Signal Transduction
Applications Tested/Suitable for anti-HAPLN1 antibody	Western Blot (WB), ELISA (EIA), Immunohistochemistry (IHC), Flow Cytometry (FC/FACS)
Application Notes for anti-HAPLN1 antibody	WB~~1:1000
Related Product Information for anti-HAPLN1 antibody	HAPLN1 belongs to the HAPLN family. It contains 1 Ig like V type (immunoglobulin like) domain and 2 Link domains. This protein stabilizes the aggregates of proteoglycan monomers with hyaluronic acid in the extracellular cartilage matrix.

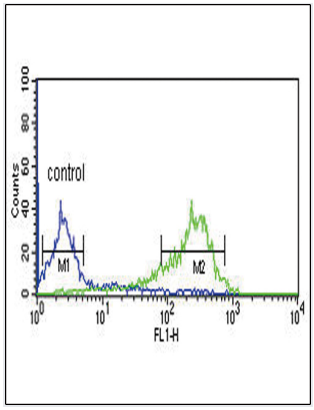
Product References and Citations for anti-HAPLN1 antibody	Wheeler, H.E., et al. PLoS Genet. 5 (10), E1000685 (2009) Cenit, M.D., et al. Mult. Scler. 15(8):913-917(2009) Ivanova, A.V., et al. Clin. Cancer Res. 15(8):2602-2611(2009) Murabito, J.M., et al. BMC Med. Genet. 8 SUPPL 1, S6 (2007) Seyfried, N.T., et al. J. Biol. Chem. 280(7):5435-5448(2005)
Other Notes	Small volumes of anti-HAPLN1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for HAPLN1 purchase	MBS9201211 is an antibody targeting HAPLN1. Also known as HAPLN1 Antibody (N-term). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-HAPLN1 antibody
HAPLN1 Antibody (N-term) western blot analysis in MCF-7(lane 1),Jurkat(lane 2),HepG2(lane 3) cell line lysates (35ug/lane).This demonstrates the HAPLN1 antibody detected the HAPLN1 protein (arrow).



Immunohistochemistry (IHC) of anti-HAPLN1 antibody
HAPLN1 Antibody (N-term) IHC analysis in formalin fixed and paraffin embedded prostate carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the HAPLN1 Antibody (N-term)for immunohistochemistry. Clinical relevance has not been evaluated.



Flow Cytometry (FC/FACS) of anti-HAPLN1 antibody
HAPLN1 Antibody (N-term) flow cytometric analysis of MCF-7 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for HAPLN1. It may not necessarily be applicable to this product.

NCBI GI #	4503053
NCBI GeneID	1404
NCBI Accession #	NP_001875.1
UniProt Primary Accession #	P10915
UniProt Secondary Accession #	B2R9A9

UniProt Related Accession #	P10915
GenBank Nucleotide #	NM_001884.3
NCBI Official Full Name	hyaluronan and proteoglycan link protein 1
NCBI Official Synonym Full Names	hyaluronan and proteoglycan link protein 1
NCBI Official Symbol	HAPLN1
NCBI Official Synonym Symbols	CRT1; CRTL1
UniProt Protein Name	Hyaluronan and proteoglycan link protein 1
UniProt Synonym Protein Names	Cartilage-linking protein 1; Cartilage-link protein; Proteoglycan link protein
Protein Family	Hyaluronan and proteoglycan link protein
UniProt Gene Name	HAPLN1
UniProt Synonym Gene Names	CRTL1; Cartilage-link protein
UniProt Entry Name	HPLN1_HUMAN
NCBI Protein Information	hyaluronan and proteoglycan link protein 1
UniProt Comments for HAPLN1	HAPLN1: Stabilizes the aggregates of proteoglycan monomers with hyaluronic acid in the extracellular cartilage matrix. Belongs to the HAPLN family. Protein type: Extracellular matrix Chromosomal Location of Human Ortholog: 5q14.3 Cellular Component: extracellular matrix; proteinaceous extracellular matrix; extracellular region Molecular Function: extracellular matrix structural constituent; hyaluronic acid binding Biological Process: extracellular matrix organization and biogenesis; central nervous system development; cell adhesion; skeletal development
Research Articles on HAPLN1	**1.** CSGalNAcT-1 and Hapln-1 may play important roles in the pathogenesis of Kashin-Beck disease and osteoarthritis.
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