SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-HAPLN1 antibody

Catalog Number: SL15410R

FOR RESEARCH USE ONLY

[DATASHEET]

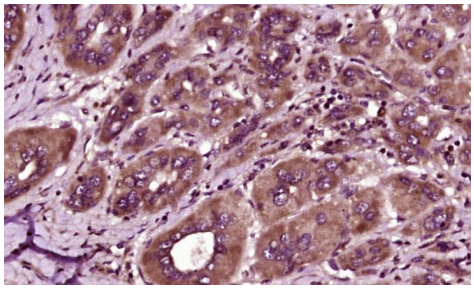
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	HAPLN1
Immunogen:	KLH conjugated synthetic peptide derived from human HAPLN1 : 21-120/354
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human(predicted:Mouse,Rat,Dog,Pig,Cow,Horse,Sheep)
Predicted MW.:	38kDa
Subcellular Location:	cytoplasmic
Background:	The human cartilage link protein, also designated HAPLN1, is a member of the hyaluronan and proteoglycan link protein (HAPLN) family of proteins. This family contains 4 proteins with approximately 50% homology. The human cartilage link protein strengthens tissue architecture by using hyaluronic acid to stabilize the aggregates of proteoglycan monomers inside the extracellular cartilage matrix. It is widely expressed in most tissue types except brain tissue where, much like the other human cartilage link protein genes, it is weakly expressed. The HAPLN and the brain-specific CSPG genes, as well as other members of the link module superfamily, appear to have a common ancestral gene origin. **Function:** Stabilizes the aggregates of proteoglycan monomers with hyaluronic acid in the extracellular cartilage matrix. **Subcellular Location:** Secreted, extracellular space, extracellular matrix.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	Tissue Specificity: Widely expressed. Weakly expressed in the brain. **Similarity:** Belongs to the HAPLN family. Contains 1 Ig-like V-type (immunoglobulin-like) domain. Contains 2 Link domains. **Database links:** **Entrez Gene:** 1404 Human **Entrez Gene:** 12950 Mouse **Entrez Gene:** 29331 Rat Omim: 115435 Human **SwissProt:** P10915 Human **SwissProt:** Q9QUP5 Mouse **SwissProt:** P03994 Rat **Unigene:** 2799 Human **Unigene:** 266790 Mouse **Unigene:** 50531 Rat

[VALIDATION IMAGES]



Paraformaldehyde-fixed, paraffin embedded (human liver carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (HAPLN1) Polyclonal Antibody, Unconjugated (SL15410R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

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