SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-HAPLN4 antibody

Catalog Number: SL15412R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	HAPLN4
Immunogen:	KLH conjugated synthetic peptide derived from human HAPLN4: 21-120/402
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:	WB=1:500-2000 IHC-P=1:100-500 IHC-F=1:100-500 ICC/IF=1:100-500 IF=1:100-500 ELISA=1:5000-10000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted: Human, Mouse, Rat, Dog, Cow, Horse, Sheep)
Predicted MW.:	40kDa
Subcellular Location:	cytoplasmic
Background:	HAPLN4 is a 360 amino acid protein encoded by the human gene HAPLN4. HAPLN4 belongs to the HAPLN family and contains 1 Ig-like C2-type (immunoglobulin-like) domain and two Link domains. HAPLN4 mediates the binding of complexes containing hyaluronic acid. HAPLN2 mediates a firm binding of versican V2 to hyaluronic acid. HAPLN4 is believed to play a pivotal role in the formation of the hyaluronan-associated matrix in the central nervous system (CNS), which facilitates neuronal conduction and general structural stabilization. HAPLN4 may also be involved in the formation of extracellular matrices contributing to perineuronal nets and facilitate the understanding of a functional role of these extracellular matrices. HAPLN4 is

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	widely expressed with highest levels in spleen and placenta. **Function:** Binds to hyaluronic acid and may be involved in formation of the extracellular matrix (By similarity). **Subcellular Location:** Secreted, extracellular space, extracellular matrix (By similarity). **Tissue Specificity:** Expressed predominantly in brain. **Similarity:** Belongs to the HAPLN family. Contains 1 Ig-like C2-type (immunoglobulin-like) domain. Contains 2 Link domains. **Database links:** **Entrez Gene:** 404037 Human **Entrez Gene:** 330790 Mouse **SwissProt:** Q86UW8 Human **SwissProt:** Q80WM4 Mouse **Unigene:** 367829 Human **Unigene:** 152048 Mouse

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