



Rabbit Anti-HAPLN2 antibody

SL11051R

Product Name:	HAPLN2
Chinese Name:	透明质酸及粘蛋白2抗体
Alias:	Brain link protein 1; Bral1; Hapln2; HPLN2_HUMAN; Hyaluronan and proteoglycan link protein 2.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Pig,Cow,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	35kDa
Cellular localization:	Extracellular matrixSecretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human HAPLN2:21-120/340
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	HAPLN2 is a 340 amino acid protein encoded by the human gene HAPLN2. HAPLN2 belongs to the HAPLN family and contains one immunoglobulin (Ig)-like, V-type domain and two link domains. HAPLN2 mediates a firm binding of versican V2 to hyaluronic acid. HAPLN2 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. HAPLN2 may also be involved

in the formation of extracellular matrices, contributing to perineuronal nets and facilitating the understanding of a functional role of these extracellular matrices. HAPLN2 is found in several nuclei throughout the midbrain and hindbrain in a perineuronal net pattern.

Function:

Mediates a firm binding of versican V2 to hyaluronic acid. May 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. Binds to hyaluronic acid.

Subcellular Location:

Secreted, extracellular space, extracellular matrix (By similarity).

Tissue Specificity:

Expressed only in adult brain.

Similarity:

Belongs to the HAPLN family.

Contains 1 Ig-like V-type (immunoglobulin-like) domain.

Contains 2 Link domains.

SWISS:

Q9GZV7

Gene ID:

60484

Database links:

[Entrez Gene: 60484](#)Human

[Entrez Gene: 73940](#)Mouse

[Entrez Gene: 64057](#)Rat

[SwissProt: Q9GZV7](#)Human

[SwissProt: Q9ESM3](#)Mouse

[SwissProt: Q9ESM2](#)Rat

[Unigene: 410719](#)Human

[Unigene: 294467](#)Mouse

[Unigene: 76545](#)Rat

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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