

Anti-HAPLN4 Antibody

Catalog # AP60831

Product Information

Application	WB, IF/IC
Primary Accession	Q86UW8
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	42801

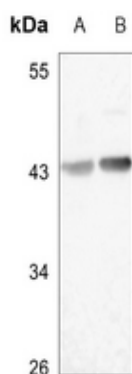
Additional Information

Gene ID	404037
Other Names	BRAL2; KIAA1926; Hyaluronan and proteoglycan link protein 4; Brain link protein 2
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human HAPLN4. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/2000) IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

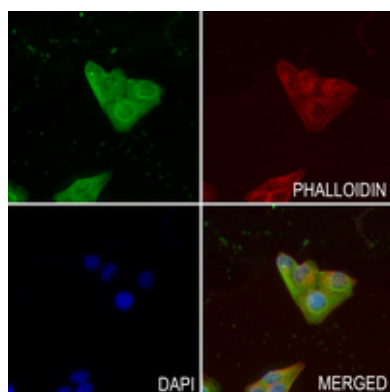
Protein Information

Name	HAPLN4
Synonyms	BRAL2, KIAA1926
Function	Essential for the proper localization of brevican (BCAN), mainly as a perineuronal nets (PNNs)-type deposition in the brainstem and cerebellum thereby playing a key role in the formation and structural organization of PNNs (By similarity). Contributes to the formation and transmission of inhibitory GABAergic synapses between Purkinje cells and deep cerebellar nuclei neurons (By similarity).
Cellular Location	Secreted, extracellular space, extracellular matrix {ECO:0000250 UniProtKB:Q9ESM3}
Tissue Location	Expressed predominantly in brain.

Images



Western blot analysis of HAPLN4 expression in mouse muscle (A), rat kidney (B) whole cell lysates. (Predicted band size: 42 kD; Observed band size: 43 kD)



Immunofluorescent analysis of HAPLN4 staining in MCF7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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