

Basic Information

Product Name	Anti-HAPLN1 Antibody	
Gene Name	HAPLN1	
Source	Rabbit	
Clonality	Polyclonal	
Isotype	IgG	
Species Reactivity	human, mouse, rat	
Tested Application	WB, IHC, ELISA	
Contents	500 ug/ml antibody with PBS, 0.02% NaN ₃ , 1 mg/ml BSA and 50% glycerol.	
Immunogen	E.coli-derived human HAPLN1 recombinant protein (Position: D16-N354). Human HAPLN1 shares 96.5% amino acid (aa) sequence identity with both mouse and rat HAPLN1.	
Concentration	500 ug/ml	
Purification	Immunogen affinity purified.	
Observed MW	40,48 kDa	
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-400 Enzyme linked immunosorbent assay (ELISA): 1:100-1000 (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.	

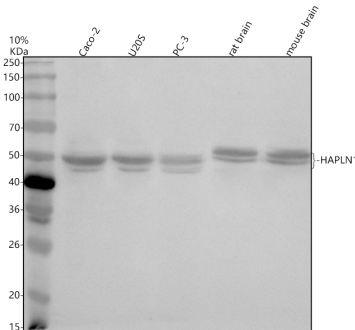
Storage

12 months from date of receipt, -20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.

Background Information

Predicted to enable hyaluronic acid binding activity. Predicted to be an extracellular matrix structural constituent conferring compression resistance. Predicted to be involved in nervous system development; positive regulation of neuroblast proliferation; and skeletal system development. Located in collagen-containing extracellular matrix.

Selected Validation Data



Western blot analysis of HAPLN1 using anti-HAPLN1 antibody (A05980-3).

The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human Caco-2 whole cell lysates,

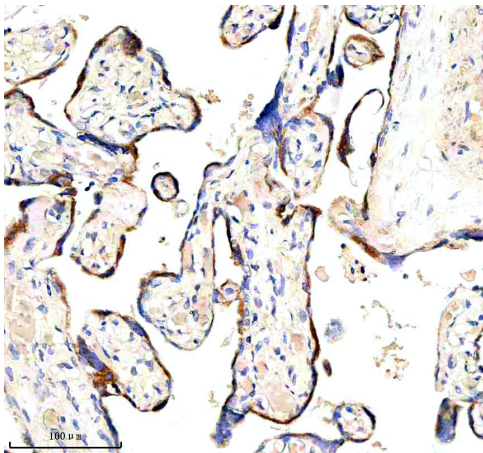
Lane 2: human U2OS whole cell lysates,

Lane 3: human PC-3 whole cell lysates,

Lane 4: rat brain tissue lysates,

Lane 5: mouse brain tissue lysates.

After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-HAPLN1 antigen affinity purified polyclonal antibody (A05980-3) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for HAPLN1 at approximately 40,48 kDa. The expected band size for HAPLN1 is at 40,48 kDa.



IHC analysis of HAPLN1 using anti-HAPLN1 antibody (A05980-3) .

HAPLN1 was detected in a paraffin-embedded section of human placenta tissue. The tissue section was incubated with rabbit anti-HAPLN1 Antibody (A05980-3) at a dilution of 1:200 and developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB (Catalog # AR1027) as the chromogen.