Data Sheet (Cat.No.TMAC-01754)

TargetMol

Anti-HAPLN1 Antibody (1R32)

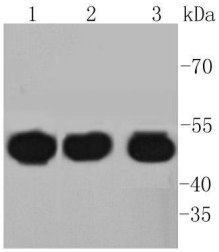
Product Details

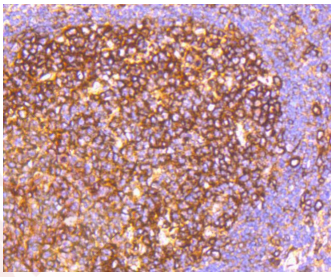
Ig Type:	IgG
Reactivity:	Human,Mouse,Rat,zebrafish
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 48 kDa.
Clone:	1R32
Purification:	ProA affinity purified

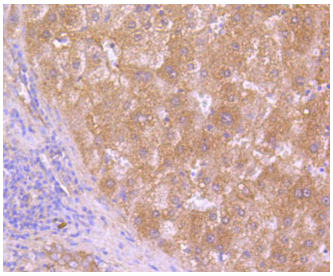
Applications

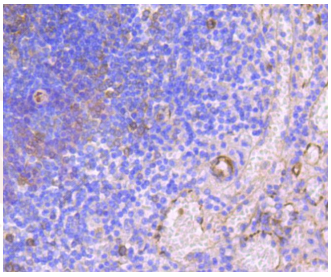
Verified Activity:

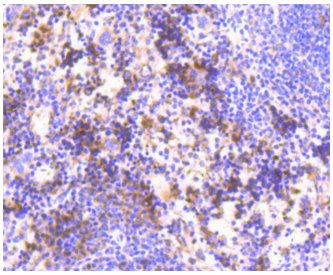
1. Western blot analysis of HAPLN1 on different lysates using anti-HAPLN1 antibody at 1/1,000 dilution. Positive control: Lane 1: BT-20, Lane 2: HUVEC, Lane 3: SW480.
2. Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-HAPLN1 antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded human liver tissue using anti-HAPLN1 antibody. Counter stained with hematoxylin.
4. Immunohistochemical analysis of paraffin-embedded human spleen tissue using anti-HAPLN1 antibody. Counter stained with hematoxylin.
5. Immunohistochemical analysis of paraffin-embedded mouse spleen tissue using anti-HAPLN1 antibody. Counter stained with hematoxylin.
6. ICC staining HAPLN1 in HUVEC cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
7. ICC staining HAPLN1 in SW480 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
8. ICC staining HAPLN1 in BT-20 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

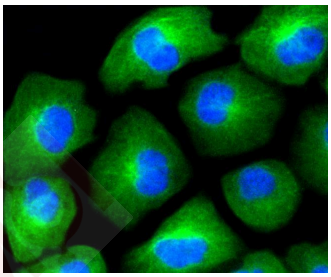


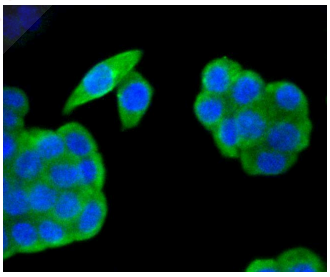


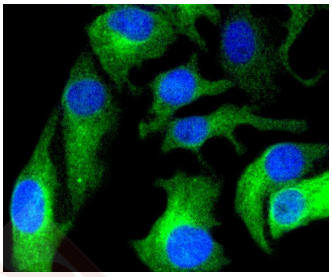












Application:	ICC/IF,IHC,WB
Recommended	WB: 1:1000-5000

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein

Uniprot ID: P10915

Synonyms: hyaluronan and proteoglycan link protein 1;CRTL1

Research 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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