Perlecan Monoclonal Antibody (A7L6)

Product Details	
Size	500 µL
Species Reactivity	Bovine, Human, Mouse, Pig
Published Species	Bovine, Mouse, Human
Host/Isotype	Rat / IgG2a, kappa
Class	Monoclonal
Type	Antibody
Clone	A7L6
Conjugate	Unconjugated
Immunogen	Murine EHS laminin preparation
Form	Liquid
Concentration	0.2 mg/mL
Purification	Protein G
Storage buffer	PBS, pH 7.4, with 0.2% BSA
Contains	0.09% sodium azide
Storage conditions	4° C
RRID	AB_10985966

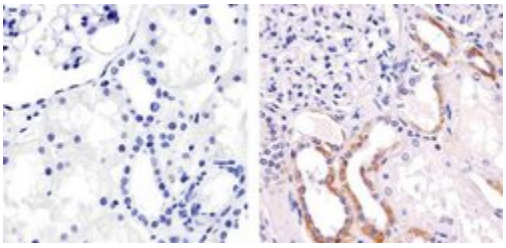
Applications	Tested Dilution	Publications
Western Blot (WB)	-	1 Publication
Immunohistochemistry (IHC)	-	8 Publications
Immunohistochemistry (Paraffin) (IHC (P))	1:20	-
Immunohistochemistry (Frozen) (IHC (F))	1:20	1 Publication
Miscellaneous PubMed (Misc)	-	1 Publication

Product Specific Information

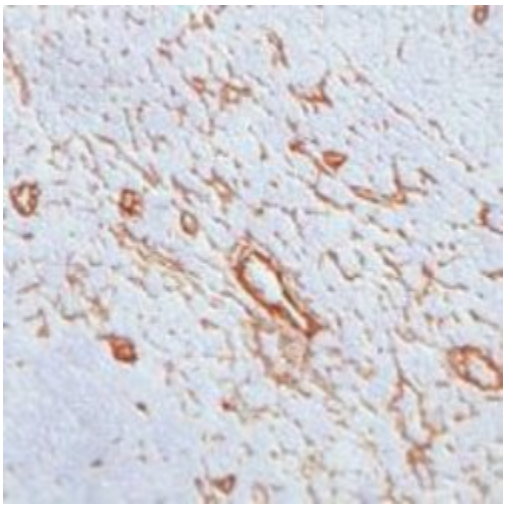
MA5-14641 targets Perlecan in IF, IHC (F), and IHC (P, F) applications and shows reactivity with Bovine, Human, mouse, and Porcine samples.

The MA5-14641 immunogen is mouse EHS laminin preparation.

Product Images For Perlecan Monoclonal Antibody (A7L6)



Perlecan Antibody (MA5-14641) in IHC (P)
Immunohistochemistry analysis of Perlecan showing staining in the cytoplasm (Basement membrane cell) of paraffin-embedded human kidney tissue (right) compared to a negative control without primary antibody (left). To expose target proteins, antigen retrieval was performed using 10mM sodium citrate (pH 6.0), microwaved for 8-15 min. Following antigen retrieval, tissues were blocked in 3% H2O2-methanol for 15 min at room temperature, washed with ddH2O and PBS, and then probed with a Perlecan Rat Monoclonal Antibody (Product # MA5-14641) diluted in 3% BSA-PBS at a dilution of 1:20 for 1 hour at 37ºC in a humidified chamber. Tissues were washed extensively in PBST and detection was performed using an HRP-conjugated secondary antibody followed by colorimetric detection using a DAB kit. Tissues were counterstained with hematoxylin and dehydrated with ethanol and xylene to prep for mounting.



Perlecan Antibody (MA5-14641) in IHC
Frozen human tonsil stained with Heparan Sulfate Proteoglycan antibody using peroxidase-conjugate and DAB chromogen. Note basement membrane and cell surface staining of blood vessels.

11 References

Western Blot (1)

The Journal of biological chemistry

Heparan sulfate proteoglycans as regulators of fibroblast growth factor-2 signaling in brain endothelial cells. Specific role for glypican-1 in glioma angiogenesis.

"MA5-14641 was used in western blot to investigate the influence of heparan sulfate proteoglycans on fibroblast growth factor-2 signal pathway in brain endothelial cells"

Authors: Qiao D,Meyer K,Mundhenke C,Drew SA,Friedl A

Species
Mouse

Dilution
Not Cited

Year
2003

Immunohistochemistry (8)

Nature immunology

Mechanosensing by Peyer's patch stroma regulates lymphocyte migration and mucosal antibody responses.

"MA5-14641 was used in Immunohistochemistry to identify a critical role for conduit-mediated fluid flow in the maintenance of PP homeostasis and mucosal immunity."

Authors: Chang JE,Buechler MB,Gressier E,Turley SJ,Carroll MC

Species
Mouse

Dilution
Not Cited

Year
2019

The Journal of cell biology

Metalloprotease inhibitor TIMP proteins control FGF-2 bioavailability and regulate skeletal growth.

"MA5-14641 was used in Immunohistochemistry to show that the tissue inhibitors of metalloprotease gene family is essential for normal bone growth after birth."

Authors: Saw S,Aiken A,Fang H,McKee TD,Bregant S,Sanchez O,Chen Y,Weiss A,Dickson BC,Czarny B,Sinha A,Fosang A,Dive V,Waterhouse PD,Kislinger T,Khokha R

Species
Mouse

Dilution
1:100

Year
2019

View more IHC references on thermofisher.com

Immunohistochemistry (Frozen) (1)

Kidney international

Anti-DNA autoantibodies initiate experimental lupus nephritis by binding directly to the glomerular basement membrane in mice.

"MA5-14641 was used in immunohistochemistry - frozen section to test if direct binding of anti-DNA antibody to the glomerular basement membrane important in experimental lupus nephritis"

Authors: Krishnan MR,Wang C,Marion TN

Species
Not Applicable

Dilution
Not Cited

Year
2012

More applications with references on thermofisher.com

Misc (1)