

**RAT ANTI-HEPARAN SULFATE PROTEOGLYCAN
MONOCLONAL ANTIBODY**

CATALOG NUMBER:	MAB1948
LOT NUMBER:	
QUANTITY:	100 µL
SPECIFICITY:	Reacts with HSPG core protein (Perlecan Domain 4). No cross-reactivity to laminin, collagen IV, entactin/nidogen or fibronectin.
IMMUNOGEN:	HSPG from EHS mouse tumor.
ISOTYPE:	IgG _{2a}
CLONE DESIGNATION:	A7L6

APPLICATIONS:

Indirect immunofluorescence: In tissues it reacts strongly and uniformly with basement membranes. For best results use with cryostat sections fixed with either acetone or 4% formaldehyde or paraformaldehyde.

Paraffin sections: Embedding tissues should be fixed in acid alcohol and sections pretreated with hyaluronidase (*J. Histochem. Cytochem.* [1989], **37**:105-113. *Histochem Cell Biol.* [2002] **118**:69-78). See staining protocol below.

Dot blotting 1:100 - 1:1000 (Note: Treat HSPG core protein prior to Dot Blotting with 0.25 U/mL heparitinase in 0.1M sodium acetate, pH 7.0, with 1 mM Calcium acetate, 0.2 mM PMSF, 1 mM benzamidine HCL and 50 ug/mL leupeptin. Couchman & Ljubimov 1989)

Immunoprecipitation 1:1000 (recognizes >400 KD band)

Western Blotting 1:1000 when using Immobilon, PVDF, or other blotting membrane with a positive charge (Hagen et al. 1993; Brown et al. 1999).

Laminin staining protocol MAB1948 antibody)

1. Bake 10 min at 95°C
2. Deparaffinize in Xylene alcohol (Sakura)
3. Rinse in tap water
4. Put 3% H₂O₂ for 10 min
5. Rinse in tap water
6. Pre-warm Steamer with the retrieval solution (Dako Low pH buffer) 15 min
7. Slide in the pre-warm buffer for 30 min
8. Cool for 20 min at room temp
9. Rinse in tap water
10. Transfer to Buffer (TBST Dako)
11. 1° Antibody: laminin β1 antibody, 1:50, 4°C, overnight
12. Wash in TBST 3x10 min
13. 2° Antibody: PowerVision anti-mouse antibody (Immunovision Technologies, Cat. #DPVM-15DAB):
 - a. Post block 15-30 min
 - b. PowerVision 15-30 min
14. Wash in TBST 3x5 min
15. DAB 5 min

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16. Rinse in tap water
17. Mayer Hematoxylin for 1 min
18. Rinse in tap water
19. Ann Hydroxyl 10 dip
20. Xylene

Optimal working dilutions must be determined by end user.

SPECIES REACTIVITIES: Mouse, bovine, pig and human.

FORMAT: Ascites.

STORAGE/HANDLING: Maintain at -20°C in undiluted aliquots for up to 12 months after date of receipt. Avoid repeated freeze/thaw cycles.

- REFERENCES:**
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