Recombinant Decorin Antibody

Rabbit Monoclonal Antibody [Clone DCN/8715R]

Catalog No	Format	Size
1634-RBM7-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
1634-RBM7-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
1634-RBM7-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

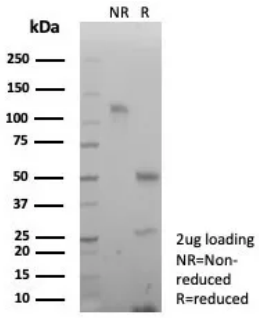
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

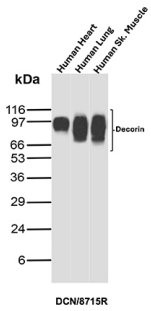
Clone	DCN/8715R
Immunogen	Recombinant fragment (around aa212-336) of the human Decorin protein (exact sequence is proprietary)
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	39.75kDa
Cellular Localization	Extracellular matrix, Extracellular space, Secreted
Species Reactivity	Guinea Pig, Hamster, Human, Rabbit
Positive Control	Human prostate or skin tissue (IHC). Heart, Lung, Skeletal muscle.

**Optimal dilution for a specific application should be determined.*

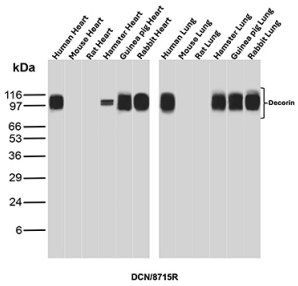
Product Images for Recombinant Decorin Antibody



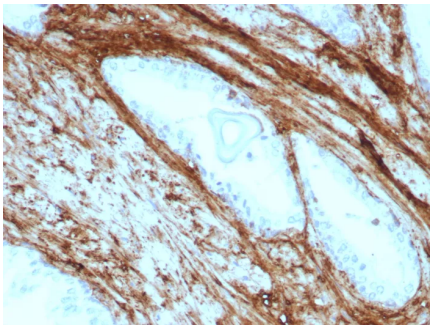
SDS-PAGE Analysis of Purified Decorin Rabbit Recombinant Monoclonal Antibody (DCN/8715R). Confirmation of Purity and Integrity of Antibody.



Western Blot Analysis of Human Heart, Human Lung and Human Skeletal muscle tissue lysates using Decorin Recombinant Rabbit Monoclonal Antibody (DCN/8715R).



Western Blot Analysis of Heart and Lung tissue lysates of different species using Decorin Recombinant Rabbit Monoclonal Antibody (DCN/8715R).



Formalin-fixed, paraffin-embedded human prostate carcinoma stained with Decorin Rabbit Recombinant Monoclonal Antibody (DCN/8715R). HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.

Specificity & Comments

Decorin is a small leucine-rich proteoglycan (SLRP) family member that consists of a glycosaminoglycan chain-containing core protein. The core protein contains ten leucine rich repeats that contain sites for glycosylation, flanked by disulfide bond stabilizing loops. Decorin binds to Collagen Type I, II and IV in vivo and promotes the formation of fibers with variations in stability and solubility. The Decorin core protein binds to growth factors, intercellular matrix molecules, such as Fibronectin and Thrombospondin, and to the Decorin endocytosis receptor. Decorin binds to and inhibits TGF? and is a direct or indirect negative modulator of TGF? synthesis. Inhibition of Decorin core protein gene expression by the combination of IFN-? and TNF? may contribute to cartilage destruction that is characteristic of inflammatory joint diseases. For immunostaining, pre-incubation with chondroitinase-SBC or testicular hyaluronidase may be required to expose the epitope.

Supplied As

200ug/ml of Ab produced in a mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.