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PRELP Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP6665C

Product Information

Application	WB, IHC-P, E
Primary Accession	P51888
Reactivity	Human, Rat, Mouse
Predicted	Bovine, Canine, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	43810
Antigen Region	119-148

Additional Information

Gene ID	5549
Other Names	Prolargin, Proline-arginine-rich end leucine-rich repeat protein, PRELP, SLRR2A
Target/Specificity	This PRELP antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 119-148 amino acids from the Central region of human PRELP.
Dilution	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	PRELP Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	PRELP
Synonyms	SLRR2A
Function	May anchor basement membranes to the underlying connective tissue.

Cellular Location Secreted, extracellular space, extracellular matrix

Tissue Location Connective tissue.

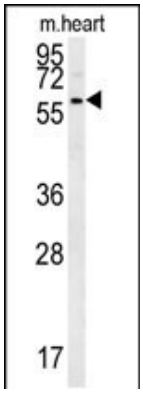
Background

PRELP is a leucine-rich repeat protein present in connective tissue extracellular matrix. This protein functions as a molecule anchoring basement membranes to the underlying connective tissue. This protein has been shown to bind type I collagen to basement membranes and type II collagen to cartilage. It also binds the basement membrane heparan sulfate proteoglycan perlecan. This protein is suggested to be involved in the pathogenesis of Hutchinson-Gilford progeria (HGP), which is reported to lack the binding of collagen in basement membranes and cartilage.

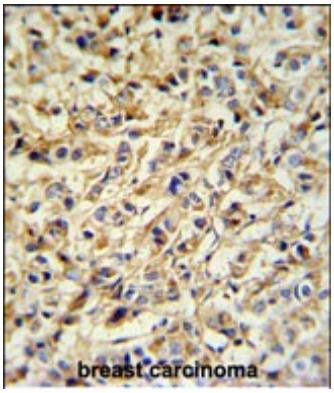
References

Ehret, G.B., et al. Eur. J. Hum. Genet. 17(12):1650-1657(2009)
Grover, J., et al. Matrix Biol. 26(2):140-143(2007)
Johnson, J.M., et al. Mol. Vis. 12, 1057-1066 (2006)

Images



PRELP Antibody (Center) (Cat. #AP6665c) western blot analysis in mouse heart tissue lysates (15ug/lane).This demonstrates the PRELP antibody detected PRELP protein (arrow).



PRELP Antibody (Center) (Cat. #AP6665c) IHC analysis in formalin fixed and paraffin embedded breast carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the PRELP Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.