
PRELP Rabbit pAb

Catalog Number: bs-13707R

Target Protein: PRELP

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: ELISA (1:5000-10000)

Reactivity: (predicted:Human, Mouse, Rat, Rabbit, Cow, Horse)

Predicted MW: 42 kDa

Entrez Gene: 5549

Swiss Prot: P51888

Source: KLH conjugated synthetic peptide derived from human PRELP: 151-250/382.

Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: PRELP (proline/arginine-rich end leucine-rich repeat protein), also known as Prolargin, MST161, SLRR2A or MSTP161, is a 382 amino acid secreted protein that localizes to the extracellular matrix. Belonging to the Class II subfamily of the small leucine-rich proteoglycan (SLRP) family, PRELP contains twelve LRR (leucine-rich) repeats, which are motifs consisting of 20-29 residues that are present in numerous proteins with diverse functions and provide versatile structural framework for the formation of protein-protein interactions. Highly expressed in cartilage, basement membranes and developing bone, PRELP is considered a glycosaminoglycan (GAG)- and collagen-binding anchor protein that associates with the basement membrane heparan sulfate proteoglycan perlecan. PRELP acts as a linker between the extracellular matrix and the cell surface of proteoglycans and may be partially responsible for Hutchinson-Gilford progeria (HGP), an extremely rare genetic disorder that causes premature, rapid aging shortly after birth.

PRODUCT SPECIFIC PUBLICATIONS

[IF=6.208] Andressa V. B. Nogueira. et al. Obesity Modifies the Proteomic Profile of the Periodontal Ligament. INT J MOL SCI. 2023 Jan;24(2):1003 IHC ; Rat . 36674516