bs-13707R **[Primary Antibody]**

PRELP Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 5549 **SWISS:** P51888

Target: PRELP

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

Purification: affinity purified by Protein A

Concentration: 1mg/ml

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.

Applications: **ELISA** (1:5000-10000)

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

Predicted MW.: 42 kDa

Subcellular Location: Cytoplasm

SELECTED CITATIONS

- **[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
- **[IF=3.6]** Camila Chierici Marcantonio. et al. Proteomic Analysis of the Periodontal Ligament During Orthodontic Movement: A Study in Rats. Proteomes. 2025 Sep;13(3):42 IHC ;Rat. 40981202