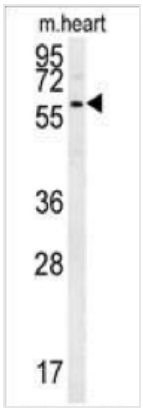
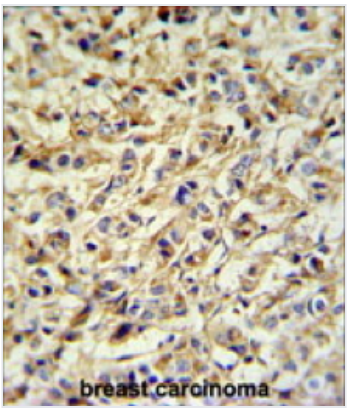
PRELP Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PRELP, Polyclonal Antibody
Full Product Name	PRELP, ID (PRELP, SLRR2A, Prolargin, Proline-arginine-rich end leucine-rich repeat protein) (MaxLight 750)
Product Gene Name	anti-PRELP antibody
Product Synonym Names	PRELP; SLRR2A; Prolargin; Proline-arginine-rich end leucine-rich repeat protein
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight750.
Purity/Purification	Purified by Protein A and Peptide Affinity Chromatography.
Specificity	Recognizes human PRELP.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight750 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	43,810 Da
OMIM	601914
3D Structure	ModBase 3D Structure for P51888
Immunogen	KLH-conjugated synthetic peptide mapping to a fragment of residues within amino acids 119-148 in the central region of human PRELP. UniProt Accession: P51888.
Conjugate	MaxLight750
Note	Preservative Free
Product Categories/Family for anti-PRELP antibody	Antibodies; Leucine-rich Proteins
Applications Tested/Suitable for anti-PRELP antibody	Immunohistochemistry (IHC) Paraffin, Western Blot (WB), FLISA
Application Notes for anti-PRELP antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-PRELP antibody	MBS6337147 is an antibody targeting PRELP. Also known as PRELP, ID (PRELP, SLRR2A, Prolargin, Proline-arginine-rich end leucine-rich repeat protein) (MaxLight 750). Reactive in Human. Host: Rabbit.
Product References and Citations for anti-PRELP antibody	1. Ehret, G.B., et al. Eur. J. Hum. Genet. 17(12):1650-1657(2009). 2. Grover, J., et al. Matrix Biol. 26(2):140-143(2007). 3. Johnson, J.M., et al. Mol. Vis. 12, 1057-1066 (2006).
Other Notes	Small volumes of anti-PRELP antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-PRELP antibody
Western Blot analysis in mouse heart tissue lysates (15ug/lane)usingMBS647988. This demonstrates that MBS647988 detected PRELP protein (arrow).



Immunohistochemistry (IHC) of anti-PRELP antibody
IHC analysis in formalin fixed and paraffin embedded breast carcinoma using MBS647988 followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of MBS647988 for immunohistochemistry.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PRELP. It may not necessarily be applicable to this product.

NCBI GI #	41349454
NCBI GeneID	5549
NCBI Accession #	NP_958505.1
UniProt Primary Accession #	P51888
UniProt Secondary Accession #	Q6FG38
UniProt Related Accession #	P51888
GenBank Nucleotide #	NM_201348.1
NCBI Official Full Name	prolargin
NCBI Official Synonym Full Names	proline/arginine-rich end leucine-rich repeat protein
NCBI Official Symbol	PRELP
NCBI Official Synonym Symbols	MST161; SLRR2A; MSTP161
UniProt Protein Name	Prolargin
UniProt Synonym Protein Names	Proline-arginine-rich end leucine-rich repeat protein
Protein Family	Prolargin
UniProt Gene Name	PRELP
UniProt Synonym Gene Names	SLRR2A
UniProt Entry Name	PRELP_HUMAN
NCBI Protein Information	prolargin; prolargin proteoglycan; proline-arginine-rich end leucine-rich repeat protein; 55 kDa leucine-rich repeat protein of articular cartilage
NCBI Summary for PRELP	The protein encoded by this gene 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. Alternatively spliced transcript variants encoding the same protein have been observed. [provided by RefSeq, Jul 2008]

UniProt Comments for PRELP	PRELP: May anchor basement membranes to the underlying connective tissue. Belongs to the small leucine-rich proteoglycan (SLRP) family. SLRP class II subfamily. Protein type: Motility/polarity/chemotaxis; Secreted, signal peptide; Secreted Chromosomal Location of Human Ortholog: 1q32 Cellular Component: extracellular matrix; proteinaceous extracellular matrix; lysosomal lumen; Golgi lumen; extracellular region; vesicle Molecular Function: heparin binding; extracellular matrix structural constituent Biological Process: keratan sulfate metabolic process; glycosaminoglycan metabolic process; carbohydrate metabolic process; keratan sulfate biosynthetic process; cell aging; pathogenesis; keratan sulfate catabolic process; skeletal development
Research Articles on PRELP	**1.** The unique expression of a 38 kDa PRELP in chronic lymphocytic leukemia (CLL) cells may suggest involvement in the pathobiology of CLL
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