



PGS1 Monoclonal Antibody

Catalog No	BYmab-07227
Isotype	IgG
Reactivity	Human;Rat;Mouse
Applications	WB
Gene Name	BGN SLRR1A
Protein Name	Biglycan (Bone/cartilage proteoglycan I) (PG-S1)
Immunogen	Synthesized peptide derived from human protein . at AA range: 110-190
Specificity	PGS1 Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	40kD
Cell Pathway	Secreted, extracellular space, extracellular matrix .
Tissue Specificity	Found in several connective tissues, especially in articular cartilages.
Function	function:May be involved in collagen fiber assembly.,PTM:The two attached glycosaminoglycan chains can be either chondroitin sulfate or dermatan sulfate.,similarity:Belongs to the small leucine-rich proteoglycan (SLRP) family. Class I subfamily.,similarity:Contains 12 LRR (leucine-rich) repeats.,subunit:Homodimer. Forms a ternary complex with MFAP2 and ELN.,tissue specificity:Found in several connective tissues, especially in articular cartilages.,
Background	This gene encodes a member of the small leucine-rich proteoglycan (SLRP) family of proteins. The encoded preproprotein is proteolytically processed to generate the mature protein, which plays a role in bone growth, muscle development and regeneration, and collagen fibril assembly in multiple tissues.

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This protein may also regulate inflammation and innate immunity. Additionally, the encoded protein may contribute to atherosclerosis and aortic valve stenosis in human patients. This gene and the related gene decorin are thought to be the result of a gene duplication. [provided by RefSeq, Nov 2015],

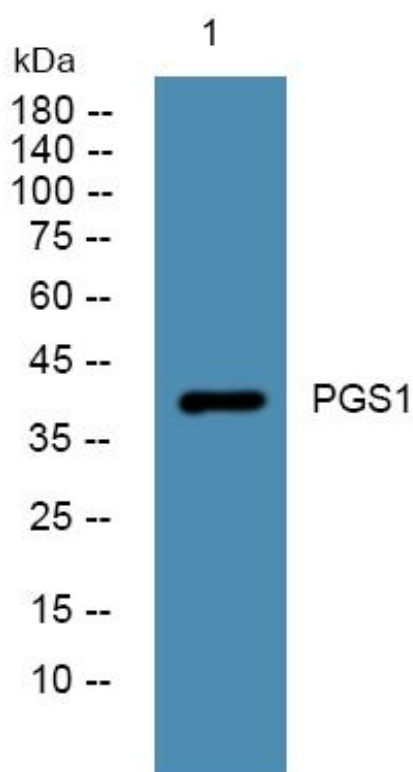
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using PGS1 Monoclonal Antibody