



Rabbit Anti-Human PRG4 Polyclonal Antibody (CABT-L6333)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	Reacts specifically with human 151 kDa protein
Immunogen	Synthetic peptide derived from N terminal domain of PRG4 protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse
Purification	Unpurified
Conjugate	Unconjugated
Applications	ELISA, ICC/IF, IHC-P, WB Immunocytochemistry/Immunofluorescence 1:50 - 1:200, Western Blot 1:200-1:1000 Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.
Reconstitution	Distilled water
Format	Lyophilized powder
Size	0.2 mL
Buffer	Antiserum
Preservative	None
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.

BACKGROUND

Introduction

Lubricin is a glycoprotein encoded by the PRG4 gene. It has been identified as a component of joint lubrication and synovial homeostasis by reducing friction in joints and preventing synovial cell overgrowth. It is a large, water soluble molecule that acts as a carrier for insoluble surface-active phospholipid (SAPL). Depletion of lubricin function has been associated with camptodactyly-arthropathy-coxa vara-pericarditis syndrome (CACP), an arthritic-like autosomal recessive disorder.

GENE INFORMATION

Synonyms

bG174L6.2 (MSF: megakaryocyte stimulating factor); bG174L6.2; CACP; FLJ32635; HAPO; Hemangiopoietin; JCAP; Lubricin; megakaryocyte stimulating factor; Megakaryocyte-stimulating factor; MSF; MSFproteoglycan 4, (megakaryocyte stimulating factor, articular superficial zoneprotein, camptodactyly, arthropathy, coxa vara, pericarditis syndrome); PRG4; Proteoglycan 4; Superficial zone proteoglycan; SZP; SZPHAPOarticular superficial zone protein
