

Lubricin / PRG4 Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF2744a**Specification**

Lubricin / PRG4 Antibody (internal region) - Product Information

Application	E
Primary Accession	O92954
Other Accession	NP_005798.2 , 10216
Predicted	Human
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	151061

Lubricin / PRG4 Antibody (internal region) - Additional Information**Gene ID** 10216**Other Names**

Proteoglycan 4, Lubricin, Megakaryocyte-stimulating factor, Superficial zone proteoglycan, Proteoglycan 4 C-terminal part, PRG4, MSF, SZP

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Lubricin / PRG4 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

Lubricin / PRG4 Antibody (internal region) - Protein Information**Name** PRG4**Synonyms** MSF, SZP**Function**

Plays a role in boundary lubrication within articulating joints. Prevents protein deposition onto cartilage from synovial fluid by controlling adhesion-dependent synovial growth and inhibiting the adhesion of synovial cells to the cartilage surface.

Cellular Location

Secreted

Tissue Location

Highly expressed in synovial tissue, cartilage and liver and weakly in heart and lung. Isoform B is expressed in kidney, lung, liver, heart and brain. Isoform C and isoform D are widely expressed.

Lubricin / PRG4 Antibody (internal region) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Lubricin / PRG4 Antibody (internal region) - Images**Lubricin / PRG4 Antibody (internal region) - References**

The role of lubricin in the mechanical behavior of synovial fluid. Jay GD, Torres JR, Warman ML, Laderer MC, Breuer KS. Proc Natl Acad Sci U S A. 2007 Apr 10;104(15):6194-9. Epub 2007 Apr 2. PMID: 17404241