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Datasheet for ABIN1389722  
**anti-Proteoglycan 4 antibody (AA 1151-1250) (FITC)**

### Overview

Quantity:	100 µL
Target:	Proteoglycan 4 (PRG4)
Binding Specificity:	AA 1151-1250
Reactivity:	Mouse, Rat, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Proteoglycan 4 antibody is conjugated to FITC
Application:	Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunofluorescence (Cultured Cells) (IF (cc))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Lubricin/SZP
Isotype:	IgG
Cross-Reactivity:	Mouse, Rabbit, Rat
Predicted Reactivity:	Human,Dog,Cow
Purification:	Purified by Protein A.

### Target Details

Target:	Proteoglycan 4 (PRG4)
Alternative Name:	Lubricin/SZP ( <a href="#">PRG4 Products</a> )

## Target Details

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**Background:** Synonyms: Superficial zone proteoglycan, articular superficial zone protein, bG174L6.2, CACP, camptodactyly arthropathy coxa vara pericarditis syndrome gene, FLJ32635, HAPO, Jacobs camptodactyly-arthropathy-pericarditis syndrome gene, JCAP, megakaryocyte stimulating factor, MSF, PRG 4, PRG4, proteoglycan 4, Proteoglycan4, Superficial zone proteoglycan, SZP. Background: Lubricin, also designated proteoglycan-4 or megakaryocyte stimulating factor, is important for boundary lubrication within articulating joints. It is a disulfide-linked homodimer (between Cysteine 1146 and Cysteine 1403) that is essential for protein cleavage. Lubricin inhibits synovial cell adhesion to the cartilage surface, but also prevents the deposition of proteins from synovial fluid onto cartilage. Lubricin is highly expressed in cartilage, liver and synovial tissue. Defects in the gene encoding for lubricin can cause Jakobs syndrome, also designated camptodactyly-arthropathy-coxa vara-pericarditis syndrome (CACP). CACP is an autosomal recessive disorder characterized by joint failure associated with noninflammatory synoviocyte hyperplasia and subinital fibrosis of the synovial capsule. Lubricin undergoes different levels of glycosylation and may be detected at varying molecular weights.

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**Gene ID:** 10216

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**UniProt:** [Q92954](#)

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## Application Details

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**Application Notes:** IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

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**Restrictions:** For Research Use only

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## Handling

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**Format:** Liquid

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**Concentration:** 1 µg/µL

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**Buffer:** Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

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**Preservative:** ProClin

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**Precaution of Use:** This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

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**Storage:** -20 °C

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## Handling

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Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

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Expiry Date: 12 months