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Datasheet for ABIN5518064  
**anti-Proteoglycan 4 antibody (N-Term)**

### Overview

Quantity:	100 µL
Target:	Proteoglycan 4 (PRG4)
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Proteoglycan 4 antibody is un-conjugated
Application:	Western Blotting (WB)

### Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human PRG4
Sequence:	KIKSSKNSAA NRELQKCLKV KDNKKNRTKK KPTPKPPVVD EAGSGLDNGD
Purification:	Affinity purified

### Target Details

Target:	Proteoglycan 4 (PRG4)
Alternative Name:	PRG4 ( <a href="#">PRG4 Products</a> )
Background:	The protein encoded by this gene is a large proteoglycan that is synthesized by chondrocytes located at the surface of articular cartilage and by some synovial lining cells. This protein contains both chondroitin sulfate and keratan sulfate glycosaminoglycans. It functions as a boundary lubricant at the cartilage surface and contributes to the elastic absorption and energy

## Target Details

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dissipation of synovial fluid. Mutations in this gene result in camptodactyly-arthropathy-coxa vara-pericarditis syndrome. Alternative splicing results in multiple transcript variants.

Alias Symbols: MSF, SZP, CACP, HAPO, JCAP

Protein Size: 853

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Gene ID: 10216

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NCBI Accession: [NP\\_001121180](#)

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UniProt: [J3KP74](#)

## Application Details

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Application Notes: Optimal working dilution should be determined by the investigator.

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 23 % sucrose.

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Preservative: Sodium azide

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

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Storage: -20 °C

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Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.