

PRG4 Rabbit pAb

Catalog No.: A15379

Basic Information

Observed MW

150kDa

Calculated MW

151kDa

Category

Primary antibody

Applications

ELISA, WB

Cross-Reactivity

Human, Rat

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

Recommended Dilutions

WB 1:200 - 1:2000

Immunogen Information

Gene ID

10216

Swiss Prot

Q92954

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1264-1363 of human PRG4 (NP_001121180.2).

Synonyms

MSF; SZP; CACP; HAPO; JCAP; PRG4

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

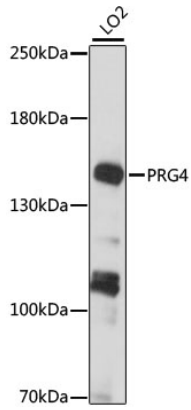
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of lysates from LO2 cells, using PRG4 Rabbit pAb (A15379) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 10s.