

MAGP-2 (C-19): sc-50085

BACKGROUND

Elastic fibers endow loose connective tissue with a resilience that complements the tensile strength of collagenous fibers. They are composed of the protein elastin and a network of 10-12 nm microfibrils, which contain several glycoproteins, including fibrillin-1, fibrillin-2 and the microfibril-associated glycoproteins MAGP-1 and MAGP-2. MAGP-2 functions in maintaining extracellular matrix homeostasis through the stabilization of Procollagen Type1 and through the binding of fibrillins to tropoelastin in the extracellular matrix of several elastic and non-elastic tissues. MAGP-2 may function outside of its role in elastic fibers and play a role in cellular differentiation through the binding of Notch 1, which leads to the release of Notch 1 extracellular domain, the subsequent activation of its signaling pathway and the release of soluble Jagged1.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: MFAP5 (human) mapping to 12p13.31; Mfap5 (mouse) mapping to 6 F1.

SOURCE

MAGP-2 (C-19) is an affinity purified goat polyclonal antibody raised against a peptide mapping at the C-terminus of MAGP-2 of human origin.

STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

PRODUCT

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-50085 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

MAGP-2 (C-19) is recommended for detection of MAGP-2 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

MAGP-2 (C-19) is also recommended for detection of MAGP-2 in additional species, including equine and canine.

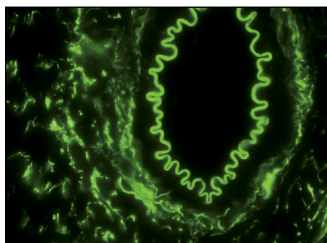
Suitable for use as control antibody for MAGP-2 siRNA (h): sc-60982, MAGP-2 siRNA (m): sc-60983, MAGP-2 shRNA Plasmid (h): sc-60982-SH, MAGP-2 shRNA Plasmid (m): sc-60983-SH, MAGP-2 shRNA (h) Lentiviral Particles: sc-60982-V and MAGP-2 shRNA (m) Lentiviral Particles: sc-60983-V.

Molecular Weight of MAGP-2: 25 kDa.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat IgG-HRP: sc-2033 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunofluorescence: use donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

DATA



MAGP-2 (C-19): sc-50085. Immunofluorescence staining of normal mouse spleen frozen section showing extracellular staining.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.