

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human MAGP-2/MFAP5 in direct ELISAs and Western blots. In direct ELISAs and Western blots, less than 1% cross-reactivity with recombinant human MAGP-1 is observed.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant human MAGP-2/MFAP5 Ile22-Leu173 Accession # Q13361
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

MAGP-2 (Microfibril-associated glycoprotein 2; also MFAP-5) is a 25 kDa member of the MFAP family of proteins. It is secreted by smooth muscle cells and has multiple functions. Through its binding to EGF repeats, MAGP-2 mediates the release of Jagged1 and Notch extracellular domains, and also binds to matrix microfibrillar proteins, inducing elastin fiber formation. Mature human MAGP-2 is 152 amino acids (aa) in length. It contains an RDG motif (aa 30-32) and a central Cys-rich domain (aa 84-140) that participates in covalent binding to fibrillin microfibrils. One potential splice variant exists that shows a 10 aa deletion between aa 73-82. Mature human MAGP-2 is 86% and 87% aa identical to mouse and canine MAGP-2, respectively.

PRODUCT SPECIFIC NOTICES

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