

#### DESCRIPTION

|                           |                                                                                                                                                                                                                                                                             |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species Reactivity</b> | Human                                                                                                                                                                                                                                                                       |
| <b>Specificity</b>        | 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.                                                                                                 |
| <b>Source</b>             | Polyclonal Sheep IgG                                                                                                                                                                                                                                                        |
| <b>Purification</b>       | Antigen Affinity-purified                                                                                                                                                                                                                                                   |
| <b>Immunogen</b>          | Mouse myeloma cell line NS0-derived recombinant human MAGP-2/MFAP5<br>Ile22-Leu173<br>Accession # Q13361                                                                                                                                                                    |
| <b>Conjugate</b>          | Alexa Fluor 488<br>Excitation Wavelength: 488 nm<br>Emission Wavelength: 515-545 nm                                                                                                                                                                                         |
| <b>Formulation</b>        | Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide<br><br>*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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