

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human MAGP-2/MFAP5 in Western blots. In 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
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein. See Certificate of Analysis for details.

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.

	Recommended Concentration	Sample
Western Blot	0.1 µg/mL	Recombinant Human MAGP-2

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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.