

Datasheet for 600-401-937**MAGP-2 Antibody****Overview**

Description:	Anti-MAGP-2 (RABBIT) Antibody - 600-401-937
Item No.:	600-401-937
Size:	100 µg
Applications:	ELISA, WB
Reactivity:	Human, Chimpanzee
Host Species:	Rabbit

Product Details

Background:	This antibody is designed, produced, and validated as part of a collaboration between Rockland and the National Cancer Institute (NCI) and is suitable for Cancer, Immunology and Nuclear Signaling research. MAGP-2 (also known as Microfibril-associated glycoprotein 2, MFAP-2, MP25 and Microfibrillar-associated protein 5 precursor) is a secreted, extracellular matrix protein which is a component of the elastin-associated microfibrils. It forms intermolecular disulfide bonds either with other MAGP-2 molecules or with other components of the microfibrils. MAGP-2 is upregulated in some ovarian cancers and is associated with poor survival of ovarian cancer patients.
Synonyms:	rabbit anti-MAGP-2 antibody, MAGP2, MAGP 2, MFAP 5 antibody, MFAP5 antibody, MFAP-5, MP25, Microfibril associated glycoprotein 2 antibody, microfibrillar associated protein 5 antibody
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	MFAP5
Reactivity:	Human, Chimpanzee
Immunogen Type:	Conjugated Peptide

Immunogen:	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to a region near the carboxy terminal end of human MAGP-2 protein.
Purity/Specificity:	This affinity-purified antibody is directed against human MAGP-2 protein. The product was affinity purified from monospecific antiserum by immunoaffinity purification. A BLAST analysis was used to suggest cross reactivity with MAGP-2 protein from human and chimpanzee based on 100% homology with the immunizing sequence. Expect partial reactivity with MAGP-2 from mouse, dog and rat sources based on partial (~75%) sequence homology. Reactivity against homologues from other sources is not known.
Relevant Links:	• NCBI - 2498553 • UniProtKB - Q13361 • GenelD - 8076

Application Details

Tested Applications:	ELISA, WB
Application Note:	This affinity-purified antibody has been tested for use in ELISA and western blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 20-30 kDa in size corresponding to MAGP-2 protein by western blotting in the appropriate cell lysate or extract.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:5,000 - 1:20,000
WB:	1:250 - 1:1,000

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	0.95 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	None

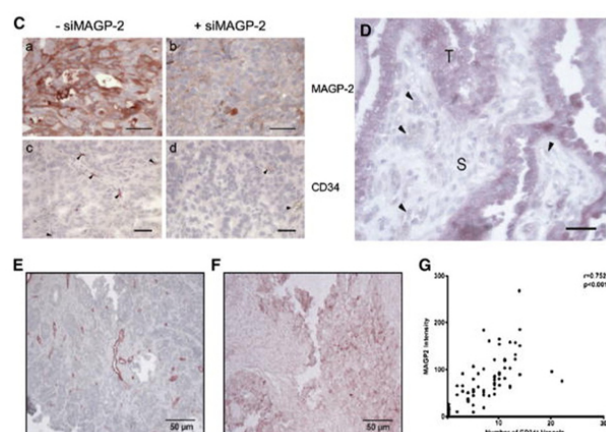
Shipping & Handling

Shipping Condition:	Dry Ice
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Storage Condition: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

Images



Immunohistochemistry

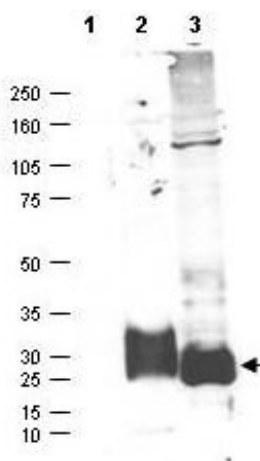
MAGP2 expression was determined by immunolocalization of the MAGP2 protein with an anti-MAGP2 polyclonal antibody (p/n 600-401-937).

(C) MAGP2 knockdown resulted in decreased MAGP2 expression and CD34+ microvessel density in tumors developed in mice. Scale bars represent 50 µm.

(D) A section of a high-grade serous adenocarcinoma showing strong MAGP2 expression in tumor cells (T) but not in the stromal component (S) or the endothelial cells (arrowheads). The scale bar represents 100 µm.

(E) Immunolocalization of CD34+ microvessels in a human serous ovarian adenocarcinoma tumor section. Fig 7.

PMID: 19962670



Western Blot

Western blot using Rockland's affinity purified anti-MAGP-2 antibody shows detection (arrowhead) of secreted MAGP-2 (lane 2) and MAGP-2 present in a MAGP-2 transfected HEK293 lysate (lane 3). No staining is detected in supernatants from non-transfected cells (lane 1). After SDS-PAGE and transfer, the membrane was probed with the primary antibody diluted to 1:100 in TBST with 5% BSA overnight at 4° C. Personal Communication, Michael Birrer, CCR-NCI, Bethesda, MD

References

- Mok, SC. et al. A gene signature predictive for outcome in advanced ovarian cancer identifies a survival factor: microfibril-associated glycoprotein 2. *Cancer Cell* (2009)

Disclaimer

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