

**MFAP5 Antibody (C-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP7319b****Specification**

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**MFAP5 Antibody (C-term) - Product Information**

Application	WB, FC, IHC-P,E
Primary Accession	<a href="#">Q13361</a>
Other Accession	<a href="#">Q9QZJ6</a> , <a href="#">Q28022</a>
Reactivity	Human
Predicted	Bovine, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	19612
Antigen Region	133-160

**MFAP5 Antibody (C-term) - Additional Information****Gene ID** 8076**Other Names**

Microfibrillar-associated protein 5, MFAP-5, MP25, Microfibril-associated glycoprotein 2, MAGP-2, MFAP5, MAGP2

**Target/Specificity**

This MFAP5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 133-160 amino acids from the C-terminal region of human MFAP5.

**Dilution**WB~~1:1000  
FC~~1:10~50  
IHC-P~~1:50~100  
E~~Use at an assay dependent concentration.**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

MFAP5 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**MFAP5 Antibody (C-term) - Protein Information**

**Name** MFAP5

**Synonyms** MAGP2

**Function** May play a role in hematopoiesis. In the cardiovascular system, could regulate growth factors or participate in cell signaling in maintaining large vessel integrity (By similarity). Component of the elastin-associated microfibrils (PubMed:[8557636](#)).

**Cellular Location**

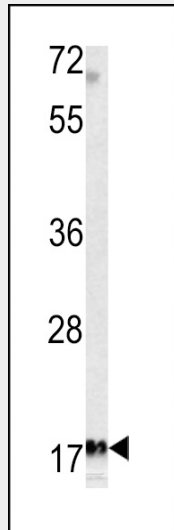
Secreted, extracellular space, extracellular matrix

**MFAP5 Antibody (C-term) - Protocols**

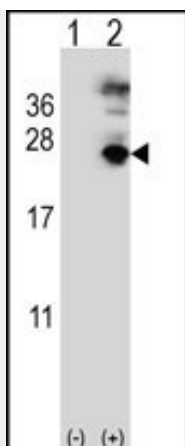
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

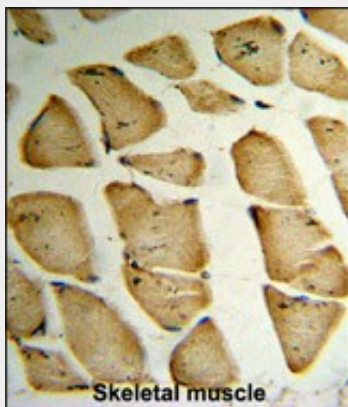
**MFAP5 Antibody (C-term) - Images**



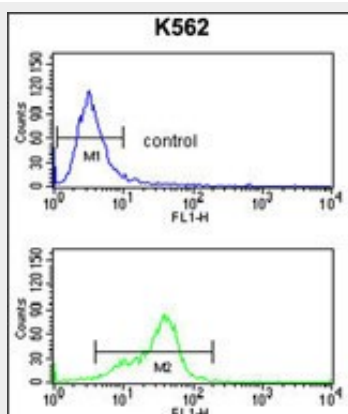
Western blot analysis of MFAP5 antibody (C-term) (Cat.#AP7319b) in K562 cell line lysates (35ug/lane). MFAP5 (arrow) was detected using the purified Pab.



Western blot analysis of MFAP5 (arrow) using rabbit polyclonal MFAP5 Antibody (C-term) (Cat. #AP7319b). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the MFAP5 gene.



Formalin-fixed and paraffin-embedded human Skeletal muscle reacted with MFAP5 Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



MFAP5 Antibody (C-term) (Cat. #AP7319b) flow cytometry analysis of K562 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

#### MFAP5 Antibody (C-term) - Background

MFAP5 is a 25-kD microfibril-associated glycoprotein which is rich in serine and threonine residues.

The protein lacks a hydrophobic carboxyl terminus and proline-, glutamine-, and tyrosine-rich regions, which are characteristics of a related 31-kDa microfibril-associated glycoprotein (MFAP2). The close similarity between these two proteins is confined to a central region of 60 aa where precise alignment of 7 cysteine residues occurs. The structural differences suggest that this protein has some functions that are distinct from those of MFAP2.

#### **MFAP5 Antibody (C-term) - References**

Albig,A.R., Becenti,D.J. Microvasc. Res. 76 (1), 7-14 (2008)  
Miyamoto,A., Lau,R. J. Biol. Chem. 281 (15), 10089-10097 (2006)  
Penner,A.S., Rock,M.J. J. Biol. Chem. 277 (38), 35044-35049 (2002)  
Hatzinikolas,G. J. Biol. Chem. 273 (45), 29309-29314 (1998)